

1750 C. 16  
'ΩΛΥΜΠΙΑ ΔΙΓΡΑΦΑ.

OR, AN

1750. 2465

# ALMANACK

For the YEAR of

Our LORD GOD, 17+8.

Being the Bissextile, or Leap-Year.

And from the World's Creation, 5752.

Wherein is contained the Lunations, Conjunctions, Aspects, and Effects of the Planets; the Increase, Decrease, and Length of the Days and Nights; with the Rising, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all times, when either the Moon or Stars are seen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough-Town of *Stamford* (formerly a famous University) whose Latitude is 52 deg. 40 min. fitting all the middle Counties of *ENGLAND*, and without sensible Error the whole Kingdom.

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*Heaven's Volumes are epitomized here,  
To shew th' exact Description of the Year.*

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By TYCHO WING, *Philomath.*

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L O N D O N :

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S T A T I O N E R S.



# Common Notes for this present Year, 1748.

English or Old Account		Golden Number		Foreign or New Account
	1	Cycle of the Sun	1	
	21	The Epacts	21	
II		Dominical Letters	0	
C E		Roman Indiction	G F	
II		Number Direction	11	
20			24	

## A Table of Terms and their Returns.

Hilary-Term begins Jan. 23. ends Feb. 12.

Returns or Essoign-days.	Exc.	Ret.	Ap.	W. D.
In eight days of St. Hilary,	Jan. 20	21	22	23 Saturd.
From the day of St. Hilary in 15 days,	27	28	29	30 Saturd.
On the morrow of Purif. of the Bl. Mary, Feb. 3	4	5	6	Saturd.
In eight days of the Purif. of the Blessed Mary, 9	10	11	12	Friday.

Easter-Term begins April 27. ends May 23.

From the day of Easter in 15 days,	April 24	25	26	27 Wedn.
From the day of Easter in 3 weeks,	May 1	2	3	4 Wedn.
From the day of Easter in 1 month,	8	9	10	11 Wedn.
From the day of Easter in 5 weeks,	15	16	17	18 Wedn.
On the morrow of the Ascension,	20	21	22	23 Mond.

Trinity-Term begins June 10. ends June 29.

On the morrow of the holy Trinity,	June 6	7	8	10 Friday
In 8 days of the holy Trinity,	12	13	14	15 Wedn.
From the day of the holy Trinity in 15 Days,	19	20	21	22 Wedn.
From the day of the holy Trin. in 3 Weeks	26	27	28	29 Wedn.

Michaelmas-Term begins Oct. 24. ends Nov. 28.

From the day of St. Mich. in 3 weeks,	Oct. 20	21	22	24 Mond.
From the day of St. Mich. in 1 Month,	27	28	29	31 Mond.
On the morrow of all Souls,	Nov. 3	4	5	7 Mond.
On the morrow of St. Martin,	12	13	14	15 Tuesd.
In 8 days of St. Martin,	18	19	20	21 Mond.
From the day of St. Martin in 15 days,	25	26	27	28 Mond.

N. B. No Sittings in Westminster-Hall on Ascension-day, Midsummer-day, the 1st and 2d of November, and the 2d of February.  
The Exchequer opens eight days before any Term begins except Trinity, before which it opens but four Days.

Note, That the first and last Days of every Term are the Days of Appearance.

## The Regal Table.

The Year, Month, and Day, when each King and Queen began to Reign, accounting the Year to begin Jan. 1.	Length of each Reign, accountin. 28 D. a Month.	Number of Years expired since they began to Reign.	
Kings Names began to reign	Y. M. D.	Reg Kings Names	
William I.	1066 Oct. 14	20 11 22	682 William 1
William II.	1087 Sept. 9	12 11 18	661 William 2
Henry I.	1100 Aug. 1	35 4 12	548 Henry 1
Stephen	1135 Dec. 2	18 11 19	613 Stephen
Henry II.	1154 Oct. 25	34 9 2	594 Henry 2
Richard I.	1189 July 6	9 9 22	559 Richard
John	1199 April 6	17 7 1	549 John
Henry III.	1216 Oct. 19	56 1 1	532 Henry 3
Edward I.	1272 Nov. 16	34 8 9	476 Edward
Edward II.	1307 July 7	19 7 6	441 Edward 2
Edward III.	1327 Jan. 25	50 5 7	421 Edward 3
Richard II.	1377 June 21	22 3 16	371 Richard 2
Henry IV.	1399 Sept. 29	13 6 4	349 Henry 4
Henry V.	1413 Mar. 20	9 5 24	335 Henry 5
Henry VI.	1422 Aug. 31	38 6 17	326 Henry 6
Edward IV.	1461 Mar. 4	22 1 8	287 Edward 4
Edward V.	1483 April 9	0 2 18	26 Edward 5
Richard III.	1483 June 22	2 2 5	265 Richard 3
Henry VII.	1485 Aug. 22	23 8 19	263 Henry 7
Henry VIII.	1509 Apr. 22	37 10 1	239 Henry 8
Edward VI.	1547 Jan. 28	6 5 19	201 Edward 6
Q. Mary J.	1553 July 6	5 4 22	195 Q. Mary 1
Q. Elizabeth	1558 Nov. 17	44 4 15	190 Q. Elizabeth
James I.	1603 Mar. 24	22 0 3	145 James 1
Charles I.	1625 Mar. 27	23 11 1	123 Charles 1
Charles II.	1649 Jan. 30	36 0 7	99 Charles 2
James II.	1685 Feb. 6	4 0 17	63 James 2
Will. 3. & M.	1689 Feb. 13	13 0 14	50 William 3
Q. Anne	1702 Mar. 8	12 5 6	46 Q. Anne
George I.	1714 Aug. 1	12 11 1	34 K. George 1
George II.	1727 June 11	Whom God grant long to reign.	

A Table of the Moon's Southing of excellent Use to find  
the Time of High Water, and Hour of the Night, for this  
present Year 1748.

	January	Februa.	March	April	May	June
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
1	9A 45	10A 52	10A 20	11A 49	11A 49	10 M 38
2	10 35	11 37	11 4	Morn.	Morn.	1 43
3	11 25	Morn.	11 47	0 9	0 51	2 44
4	Morn.	0 21	Morn.	1 2	1 55	3 40
5	0 13	1 4	0 32	2 0	3 0	4 31
6	1 0	1 47	1 19	3 2	4 4	5 19
7	1 44	2 30	2 9	4 5	4 59	6 6
8	2 25	3 16	3 3	5 6	5 51	6 50
9	3 7	4 8	4 1	6 7	6 40	7 35
10	3 49	5 2	5 2	7 1	7 26	8 22
11	4 34	6 0	6 4	7 7	8 21	9 10
12	5 21	7 2	7 5	8 8	8 56	10 0
13	6 13	8 5	8 3	9 26	9 42	10 52
14	7 9	9 7	8 57	10 12	10 28	11 43
15	8 11	10 6	9 48	10 58	11 19	10 A 33
16	9 15	11 0	10 37	11 45	10 A 10	1 21
17	10 21	11 51	11 24	10 A 34	1 1	2 7
18	11 23	0 A 40	10 10	1 25	1 53	2 2
19	0 A 21	1 26	0 58	2 17	2 43	3 31
20	1 14	2 12	1 46	3 9	3 30	4 12
21	2 4	3 0	2 36	4 0	4 15	4 54
22	2 49	3 47	3 27	4 47	4 57	5 36
23	3 35	4 37	4 19	5 35	5 39	6 21
24	4 20	5 29	5 11	6 20	6 21	7 11
25	5 6	6 20	6 1	7 3	7 3	8 5
26	5 54	7 11	6 50	7 46	7 48	9 6
27	6 43	8 1	7 36	8 29	8 36	10 9
28	7 34	8 49	8 21	9 14	9 30	11 15
29	8 25	9 35	9 5	10 1	11 28	Morn.
30	9 15	9 49	10 53	11 32	12 0	19
31	10 4	10 33		12 38		

Note, The Moon, or any Star, is said to be South, when they appear in that Quarter of the Firmament in which the Sun is every Day at Noon, which for the Moon this Table will di-

A Table of the Moon's Southing of excellent Use to find  
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present Year 1748.

Days	July		August		Sept.		Octob.		Nov.		Dec.	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	1 M 19		2 M 33		3 M 49		4 M 25		5 M 33		5 M 24	
2	2 15		3 22		4 41		5 16		6 16		6 4	
3	3 6		4 11		5 34		6 7		6 59		6 45	
4	3 55		4 59		6 26		6 54		7 39		7 28	
5	4 41		5 50		7 17		7 39		8 20		8 16	
6	5 28		6 41		8 5		8 21		9 3		9 7	
7	6 15		7 33		8 52		9 3		9 49		10 4	
8	7 3		8 24		9 36		9 45		10 40		11 5	
9	7 53		9 13		10 28		10 28		11 35		A 9	
10	8 44		10 2		11 0		11 13		10 A 34		1 12	
11	9 35		10 47		11 43		10 A 1		1 37		2 10	
12	10 25		11 31		10 A 26		10 54		2 39		3 8	
13	11 15		10 A 12		1 12		1 50		3 38		4 0	
14	10 A 1		0 54		2 1		2 50		4 36		4 48	
15	0 46		1 36		2 54		3 51		5 28		5 36	
16	1 28		2 18		3 51		4 52		6 17		6 22	
17	2 9		3 6		4 50		5 50		7 5		7 10	
18	2 50		3 55		5 51		6 44		7 51		7 59	
19	3 32		4 49		6 50		7 36		8 38		8 49	
20	4 16		5 47		7 48		8 24		9 27		9 41	
21	5 3		6 47		8 44		9 12		10 16		10 33	
22	5 54		7 50		9 36		10 0		11 8		11 25	
23	6 50		8 51		10 26		10 49		Morn.		Morn.	
24	7 50		9 48		11 15		11 39		0 1		0 14	
25	8 53		10 45		Morn.		Morn.		0 53		1 1	
26	9 58		11 37		0 5		0 31		1 40		1 42	
27	11 0		Morn.		0 55		1 24		2 33		2 27	
28	11 59		0 28		1 47		2 18		3 19		3 8	
29	Morn.		1 16		2 39		3 10		4 3		3 47	
30	0 53		2 7		3 33		4 0		4 44		4 28	
31	1 44		2 57				4 48		5		5 9	

rect you; and for some of the most remarkable Stars, their Southings are set down in the following Months, by which the Hour of the Night may be very readily discover'd.

# W I N G 1748.

*The Use of the preceding TABLE of the Moon's Southing, to find the Time of High-Water, and Hour of the Night.*

## I. To find the Time of High-Water in most Ports of ENGLAND.

Take the Time of the Moon's Southing for the Day proposed, and to that add the Hours and Minutes which stand against the Place required in the following Table of Sea Coasts, and the Sum will be the Time of High-Water at the Place required on that Day.

### A T A B L E of the Sea-Coasts

	H. M.
Portsmouth, Queenborough, Southampton,	0 00
Rochester, Winchelsea, Flushing,	0 45
Downs, Gravesend, Ramkins, Guernsey,	1 30
Denbigh, Bell-Isle, Holy-Isle, Downs-Road,	2 15
London, Tinmouth, Whitby, Hartlepool,	3 00
Scarborough, Berwick, Flushing, Staples,	3 45
Flamborough, Humber, Bridlington-Bay,	4 30
Plymouth, Ramsey, Newcastle, Severn,	5 15
Lynn, Fosdyke, Hull, Weymouth, Dartmouth,	6 00
Boston, Start-Point, Foulness, Bristol-Key,	6 45
Bridgewater, Milford-Haven, Lizard, Wintertown,	7 30
Yarmouth, Isle of White, the Needles,	8 15
Isle of Man, Orkney, Pool, South-Foreland,	9 10
Dover, Harwich, Orfordness, Bullein,	10 10
Rye, Solebay, Margate-Road,	11 15

## II. To find the Hour of the Night by the Shadow of the Moon on a Sun-Dial.

1. When the Shadow falls precisely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table, is the exact Time of Night. But in other Cases,

2. If the Shadow wants of 12, see how much it wants of it; which Time, subtracted from that of the Moon's Southing, leaves the Time of Night. Note, You must add 12 Hours to the Moon's Southing, if need be.

3. If the Shadow has past 12, add the Time that it has past it to the Time of the Moon's Southing; the Sum will be the Time of Night required; abating 12 Hours from that Sum, if need be.

# The Kalendar explain'd.

The Left-hand Pages contain at Top

The New and Full Moons with their Quarters; also the Rising, Southing, and Setting of Jupiter to every fifth Day.

Below which are seven Columns.

The first is the Days of the Month. The second the Days of the Week, *Sundays* being marked thus **S**, the other Days are noted by their first Letters; but, *Tuesday* and *Thursday* beginning with the same Letter, I have put the *Old English C* for *Thursday*, the more readily to assist the Eye in counting any Number of Days.

The third Column contains the Fasts and Festivals of the *Church of England*, and other remarkable Days, as also the Hour and Minute of the Sun's Rising and Setting on certain Days, with other useful Particulars.

The fourth is the Nightly Rising and Setting of the Moon.

The fifth contains the Moon's true Place in Longitude, exactly Calculated from New and Correct Tables.

The sixth contains the Moon's true Declination for every Day at Noon in the Meridian of *London*.

The seventh contains the Times when the Moon is in Apogee and Perigee, as also the Planets Mutual Aspects and Variation of the Air.

On the Tops of the Right-hand Pages

Are nine Columns, containing the true Longitude and Declination of *Saturn*, *Jupiter*, *Mars*, and *Venus*, to every 5th Day of the Month.

Below which

Are five other Columns. The first is the Days of the Month, according to the Old Stile or *English Account*. The second is the Month, Days, according to the New Stile or Account used by Foreigners.

The third Column contains the Sun's true Place.

The fourth is the Sun's Declination.

The fifth Column under Observations, you have the Rising, Southing, and Setting of *Saturn*, *Mars*, *Venus*, and *Mercury* to certain Days; also the Moon's Appulse to some noted fixed Stars, and Planets, with many other useful Remarks.

Note. You have the Longitude and Declination of *Mercury*, in the Page after December. A 4

# January, 1748.

							<b>Saturn</b>	<b>Jupiter</b>	<b>Uranus</b>
M	W	Holy Days	Moon rises&sets.	Moon's sets.	Moon's Place.	Moon's Declin.	Nodes	Nodes	South.
D	D								
1	F	Circumcision	6M 43	16 II 45	27 N 20	21	Morn.	12 m26	
2	S	Day in. 30m.	7 40	28 35	27 25	6 8	13	12 30	
3	S	2 S aft. Christ	8 21	10 26	26 14	11 7	54	11 54	
4	M	Sun rise 7 56	D rises.	22 18	23 50	16 7	33	11 35	
5	T	Sun set 4 6	4 A 55	4 Ω 17	20 22	21 7	13	11 16	
6	W	Epiphany.	6 9	16 23	16 2	26 7	1	11 6	
7	C	Cl. fast. 11 m.	7 22	28 35	10 58	* h ♀	Some		
8	F	Luctan	8 36	11 ♀ 0	5 27	σ ⊖ 4	mild		
9	S	Sun rise 7 49	9 48	23 35	0 S 20	and gentle			
10	S	1 S. aft. Trin.	11 6	6 △ 27	6 15	Showers of Rain.			
11	M	Pl. Mond.	Morn.	19 37	12 2				
12	T	Sun set 4 14	0 28	3 ♀ 5	17 23	Sharp freezing			
13	W	Hilary B.	1 52	16 53	21 55	Wind, Snow or			
14	C	Day incr. 1 h.	3 17	1 ♀ 5	25 22	Sleet, continues			
15	F	Sun rise 7 42	4 39	15 36	27 16	several Days.			
16	S	Sun set 4 19	5 50	0 ♀ 23	27 21	Perige.			
17	S	2 S. aft. Trin.	6 38	15 19	25 26	□ ⊖ h. * ♂ ♀			
18	M	Brisca Vir.	7 12	0 ♀ 18	21 38	Remission of			
19	T	Cl. fast. 14 m.	D sets.	15 9	16 29	Cold, but dark			
20	W	Pr. Wal.born.	6 A 45	29 45	10 28	thick Clouds			
21	C	Agnes Vir.	8 9	14 ♀ 11	4 2	with Rain			
22	F	Day inc. 1 20	9 28	27 52	2 N 20	Rain continues.			
23	S	Term begins	10 49	11 ♀ 18	8 25	△ h ♀			
24	S	3 S. aft. Epip.	11 59	24 20	13 57	σ ♀ ♀. Cold			
25	M	St. Paul's Con.	Morn.	6 ♀ 59	18 46	wet Season			
26	T	Sun rise 7 26	1 18	19 19	22 37	with ruffling			
27	W	Sun set 4 37	2 32	1 II 26	25 28	□ h ♀ Winds.			
28	C	Cl. fast 15 m.	3 38	13 22	27 8	Sharp Frost.			
29	F	Damuel.	4 38	25 15	27 33	D Apogee.			
30	S	K.Ch.I. Ma.	5 25	7 ♀ 5	26 43	Variety of			
31	S	4 S. aft. Epip.	5 53	18 57	24 37	Weather.			

Wing.	S	Saturn.	Jupiter.	Mars.	Venus.				
	g	mp	Declin.	vp	Declin.	x	Declin.	w	Declin.
Jan.	5	8	11	54° 29'	20° 47'	14° 3	88° 30'	9° 34'	188° 40'
1748	11	8	15	57° 0'	16° 32'	17° 50'	5° 28'	22° 25'	5° 15'
	16	8	26	12° 0'	27° 20'	21° 39'	3° 58'	28° 19'	13° 30'
	21	8	37	12° 1°	40° 20'	22° 27'	2° 19'	42° 33'	11° 13'
	26	8	43	12° 2°	48° 19'	29° 14°	0° 45'	10° 45'	8° 49'

O	N	Sun's Place.	Sun's Declin.	Observations.					
S.	S.								
1	12	21	47	21° S	43°	Day 17 h. 50 m. long, increased 26 m.			
2	13	22	48	21	33				
3	G	23	49	21	22	Take Courage, Britain, God's great Providence Does you protect, will still be your Defence; Your Sons unite, conduct your Measures well, And Britons still shall o'er their Foes prevail;			
4	15	24	50	21	11	Advance in Trade, in Glory and Renown, Whilst your brave Heroes bumble Bourbon's Green.			
5	16	25	51	21	0				
6	17	26	52	20	49				
7	18	27	53	20	37				
8	19	28	55	20	24				
9	20	29	56	20	12	The Sun enters w ]			
10	G	22	57	20	0	7 Stars South 7 h. 15 m. at night.			
11	22	1	58	19	45				
12	23	2	59	19	31	Venus sets at 6 in the evening.			
13	24	4	0	19	17	Mars sets 32 m. past 8 at night.			
14	25	5	1	19	2	Cambridge Term begins 13th Day.			
15	26	6	2	18	48	Day 8 h. 30 m. long, increased 1 h. 6 m.			
16	27	7	3	18	32				
17	G	8	4	18	17				
18	29	9	5	18	1	Saturn rises at 1 in the morning.			
19	30	10	5	17	45	Eclipsed Visible in Asia.			
20	31	11	6	17	28				
21	F	12	7	17	11	The Right Shoulder of Orion South			
22	2	13	8	16	54	40 m. after 8 at night.			
23	3	14	9	16	37				
24	G	45	10	16	19	Day 9 h. long, increased 1 h. 36 m.			
25	5	16	10	16	1	7 Stars South 6 h. 30 m. at night.			
26	6	17	11	15	43				
27	7	18	11	15	24	Sirius South at 9 at night.			
28	8	19	12	15	5	Saturn rises at midnight.			
29	9	20	12	14	46	Venus sets at 7 in the evening.			
30	10	21	13	14	26	Mars sets 36 m. after 8 at night.			
31	G	22	14	14	7				

# February 1748.

Full Moon the 3d day, at noon.

Last Quarter the 10th day, at 9 at night.

New Moon the 17th day, at 3 afternoon.

First Quarter the 25th day, at 3 in the morn.

		Jupiter
	rises.	South.
1	6m41	10m48
6	6 22	10 33
11	6 3	10 19
16	5 48	10 2
21	5 37	9 50
26	5 16	9 33

M D	W D	Holy Days. @rises&sets.	Moon sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.	O. S.
1 M	Sun rise 7 11	6M25	0Ω55	21 N 23		Lofty Winds	1
2 T	Purif. B. V.	6 49	13 0	17 15		and sudden	2
3 W	Sun set 4 51	☽rises.	25 19	12 23		* 24 ♂ Sho wer of Rain.	3
4 C	Blasie W.	6A21	7Ψ47	6 52			4
5 F	Day in. 2 15	7 37	20 28	1 7		Cold Storms of	5
6 S	Cl. fast 15m.	8 54	3□24	4 S 53		Snow or Rain.	6
7 S	Septuagesima	10 13	16 31	10 42			7
8 M	Sun rise 6 58	11 38	29 55	16 10			8
9 T	Sun set 5 4	Morn.	13Ψ31	20 55		Wind and	9
10 W	Scholaſt.	1 2	27 21	24 38		σ ⊖ ♀ Rain.	10
11 C	D. 10h. 18m	2 27	11 ♀ 23	26 56		☽ Perigee.	11
12 F	Term ends.	3 38	25 36	27 31		Fair and Clear.	12
13 S	Day in. 2 50	4 36	9Ψ59	26 19		△ h ♀ D Perig.	13
14 S	Sexagesima	5 15	24 30	23 16		Valentine.	14
15 M	Sun rise 6 44	5 45	9 □ 3	18 45		Snow or Rain.	15
16 T	Sun set 5 18	6 8	23 36	13 28		△ ⊖ h . □ h ♀	16
17 W	Concordia	D set.	7Ψ53	6 54		* ♀ ♀	17
18 C	Cl. fast 13m.	6 A57	22 0	0 25		Heavy Showers	18
19 F	D. 10h. 50m.	8 19	5Ψ47	5N 55		of Rain and	19
20 S	Day in. 3 15	9 41	19 12	11 49		rough Winds.	20
21 S	Shrove Sun.	11 0	2Ψ17	17 3			21
22 M	Ps. Hesse b.	Morn.	14 59	21 19		Moderate good	22
23 T	Shrove Tue.	0 9	27 22	24 33		Weather, fair	23
24 W	Ash-Wednes.	1 25	9 II 30	26 39		and frosty.	24
25 C	St. Matthias	2 29	21 27	27 30		Snow or Sleet.	25
26 F	Sun rise 6 22	3 21	3Ω19	27 2		☽ Apogee.	26
27 S	Sun set 5 40	4 21	15 8	25 20		Showery open	27
28 S	1 S. in Lent.	4 33	27 1	22 29		Weather to the	28
29 M	Cl. fast 10m.	4 57	9Ω2	18 40		End.	29

Wing.	Days	Saturn.			Jupiter.			Mars.			Venus.		
		MP	Declin.	MM	Declin.	V	Declin.	X	Declin.				
	1	8	47	12 S 3	5	14	19 S 27	3	45	1 N 10	18	10	5 S 51
	6	8	R 48	12 2	6	22	19 11	7	30	2	39	24	21 3 18
Feb.	11	8	47	12 0	7	30	18 54	11	13	4	11	0 V 30	0 41
1748.	16	8	42	11 58	8	36	18 38	14	55	5	40	6	38 o N 56
	21	8	36	11 54	9	40	18 21	18	36	7	11	12	44 4 34
	26	8	26	11 49	10	45	18 5	22	17	8	36	18	51 7 5

O.	N.	Sun's	Sun's	Observations.								
S.	S.	Place.	Declin.									
1	12	23	15	13 S 47	Day 9 h. 30 m. long, increased zh. 0 m.							
2	13	24	16	13 27								
3	14	25	16	13 7	Moon Eclipsed, Visible in America.							
4	15	26	17	12 47	Venus sets past 7 at night.							
5	16	27	17	12 26	Mars sets 40 m. past 8 at night.							
6	17	28	18	12 5								
7	G	29	18	11 44	7 Stars South 5 h. 24 m. past 8 at night.							
8	19	X	18	11 23	Sun enters X 40 m. past 4 in the morn.							
9	20	1	19	11 1	Day 10 h. long, increased 2 h. 36 m.							
10	21	2	19	10 40								
11	22	3	20	10 18	Sirius, or the great Dog Star South 7							
12	23	4	20	9 56	min. after 8 at night.							
13	24	5	20	9 34	Pollux South at 9 at night, alt. 66 Deg.							
14	G	6	21	9 12								
15	26	7	21	8 50								
16	27	8	21	8 27	Day 10 h. 30 m. long, increased 3 h. 6 m.							
17	28	9	21	8 4	Sirius South 45 m. after 7 at night.							
18	29	10	21	7 42	Venus sets at 8 at night, and sets 47							
19	M	11	21	7 19	min. after 8.							
20	21	12	21	6 56	Saturn rises 30 m. past 10 at night.							
21	3	13	21	6 33								
22	F	14	21	6 10								
23	5	15	21	5 47	7 Stars set at 1 morning.							
24	6	16	21	5 24	Day 11 h. long, increased 3 h. 36 m.							
25	7	17	21	5 0								
26	8	18	21	4 37								
27	9	19	20	4 14								
28	F	20	20	3 50	Sirius South 7 h. 7 m. at night.							
29	11	21	20	3 27	Saturn rises at 10 at night.							

March 1748.

Full Moon the 4th day, at 4 in the morn.

Last Quarter the 11th day, at 5 in the morn.

New Moon the 18th day, at 3 in the morn.

First Quarter the 25th day, at 11 at night.

	Days.	Jupiter
	rises	south.
	1	5m 7 9m24
	6	4 48 9 9
	11	4 34 8 57
	16	4 16 8 40
	21	4 3 8 28
	26	3 43 8 10

M	W	Holy Days.	Moon sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.	S.
D	D	○ rises & sets.	D sets.				
1	T	David.	5 M 15	21 15	14 N 2	Rough Winds and	2
2	W	Emb. Week.	5 40	3 ♀ 43	9 1	turbid Weather.	3
3	T	Sun rise 6 12	5 55	16 27	2 57	* ♀ ♀. ♂ ♀	4
4	F	Sun set 5 50	6 rises.	29 30	3 S 3	Flying Clouds	5
5	S	Cl. fast 9 m.	8 A 6	12 ☽ 48	9 2	and hasty Show-	6
6	S	2 S. in Lent.	9 27	26 23	14 39	ers of Rain or	7
7	M	Perpetua.	10 54	10 III 9 19	43	Hail.	8
8	T		Morn.	24 4 23	44	Sharp Frosty	9
9	W	Eq. D. & N.	0 15	8 ♀ 5 26	24	Air, with some	10
10	T	Day inc. 4 30	1 36	22 11 27	26	Snow or Sleet.	11
11	F	Cl. fast 7 m.	2 35	6 ♀ 18 26	38	D Perigee.	12
12	S	Gregory W.	3 21	20 27 24	7	8 ♀ ♀	13
13	S	3 S. in Lent.	3 54	4 ☽ 35 20	9	Flying Clouds	14
14	M	Edw. born.	4 15	18 41 15	3	and sudden	15
15	T	Sun set 6 12	4 33	2 ♀ 45	9 7	Showers of	16
16	W	D. 12h. 30m.	4 49	16 40	2 51	Rain.	17
17	T	St. Patrick	5 4	0 ♀ 25	3 N 27	8 ♀, ♂	18
18	F	Cl. fast 4 m.	D sets.	13 57	9 50	□ ♀ ♀	19
19	S	Day inc. 5 6	8 A 42	27 13	14 59	Thick Clouds	20
20	S	Midlent Sun.	10 3	10 ♀ 12	19 42	and Rain of long	21
21	M	Sunrise 5 36	11 15	22 48	23 21	continuance.	22
22	T	Sun set 6 26	Morn.	5 II 11	25 54		23
23	W		0 22	17 19	27 1C	Hail or Rain.	24
24	T	Marcus	1 19	29 16	27 8	♂ ○ ♀. * ♀ ♀	25
25	F	Lady-Day.	2 4	11 ☽ 7	25 50	* ○ ♀. D Apog.	26
26	S	D. inc. 5 35	2 40	22 56	23 23	Frosty and mo-	27
27	S	5 S. in Lent.	3 6	4 ♀ 49	19 56	derately Fair.	28
28	M	Cl. fast 2m.	3 27	16 51	15 37		29
29	T	Sunrise 5 20	3 43	29 8	10 36	Stormy unsettled	30
30	W	Sunset 6 41	3 56	11 ♀ 42	5 1	Weather.	31
31	T	Walbina	4 9	24 39	0 S 53	□ ♀ ♂	

Wing.	Saturn.	Jupiter.		Mars.		Venus.	
		Declin.	Declin.	Declin.	Declin.	Declin.	Declin.
Mar. 1748.	8 R 16	11 S 46	11 35	17 S. 51	25 12	9 N 45	23 45
6	8 3	11 41	12 36	17 35	28 51	11 7	29 48
11	7 48	11 36	13 35	17 28	12 27	5 50	13 32
16	7 32	11 31	14 32	17 2	6 5	13 44	11 49
21	7 12	11 25	15 27	16 47	9 40	14 55	17 48
26	6 52	11 18	16 20	16 32	13 14	16 42	19 44
							53

O. N. S. S.	Sun's Pi ce.	Sun's Declin.	Observations.				
1 12 22	20	3 S 3	7 Stars set at 12 at night.				
2 13 23	20	2 39	Day 11 h. 30 m. long, increased 4 h. 6m.				
3 14 24	19	2 16	Sirius South at 7 at night.				
4 15 25	19	1 52	Mars and Venus set nearly together				
5 16 26	18	1 28	about 9 at night.				
6 F 27	18	1 5	Mercury sets 1 h. 48 m. after the ☽				
7 18 28	17	0 41					
8 19 29	17	0 17					
9 20 V	16	0 N 6	Equal Day and Night, increased 4 h.				
10 21 1	16	0 30	36 m.				
11 22 2	15	0 54	Saturn rises 9 h. 18 m. at night.				
12 23 3	15	1 17					
13 F 4	14	1 41	Cor Hydræ South at 9 at night.				
14 25 5	13	2 4	7 Stars set 11 h. 30 m. at night.				
15 26 6	12	2 28					
16 27 7	12	2 51					
17 28 8	11	2 15	Day 12 h. 36m. long, increased 5 h. 6 m.				
18 29 9	10	3 38	We are yet labouring under the Effects				
19 30 10	9	4 1	of the last Conjunction of ☽ and Jupiter				
20 F 11	8	4 25	in the fiery Trigon, together with ma-				
21 A 12	7	4 48	ny concomitant Planetary Configura-				
22 2 13	6	5 11	tions, Eclipses, Comets and other				
23 3 14	5	5 34	Celestial Phænomena, which if they				
24 4 15	4	5 56	may not properly be called Causes of				
25 5 16	3	6 19	future Events, we may surely look				
26 6 17	2	6 42	upon them as Signs sent from the su-				
27 F 18	1	7 4	preme Cause, to forewarn the World				
28 8 18	59	7 27	of what may be expected, whilst they				
29 9 19	58	7 49	follow the Dictates of sinful Passions.				
30 10 20	57	8 11					
31 11 21	56	8 33	Regulus South at 8 at night.				

# April 1748.

Full Moon the 2d day, at 4 in the aftern.

Last Quarter the 9th day, at 11 in the morn.

New Moon the 16th day, at 4 afternoon.

First Quarter the 24th day, at 6 in the even.

			Jupiter
		rises	South.
1	3M	22	7m 52
6	3	10	7 41
11	2	52	7 24
16	2	31	7 5
21	2	18	6 52
26	2	0	6 34

M	W	Holy Days.	Mo on sets.	Moon's Place.	Moon's Declin.	Aspects and Weather.
D	D	○ rises & sets.	D			
1	F	Noah	4M 20	7 56	6S 54	This Month
2	S	Day incr. 6h.	D rises 21	36	12 47	begins with
3	S	Palm Sunday.	8 39	5m 37	18	fine season-
4	M	Ambrose	10 6	19 48	22 32	able Showers.
5	T	Sun rise 5 7	11 31	4 10	25 39	Brisk Winds
6	W	Sun set 6 55	Morn. 18	33	27 6	and Showers,
7	C	Maund Th.	0 36	2w 52	26 47	D Perigee.
8	F	Good Friday	1 27	17 7	24 40	More calm,
9	S	Day 14 hours	2 2	1m 13	20 58	fair, settled
10	S	Easter Day	2 30	15 11	16 9	Weather.
11	M	Monday	2 48	29 1	10 34	Dark gloomy
12	T	Tuesday	3 2	12 41	4 30	Weather, and
13	W	Sun rise 4 53	3 15	26 13	1 N 39	8 ○ h cold
14	C	Sun set 7 9	3 30	9w 35	7 39	Rain.
15	F	D. Cumb. bo.	3 40	22 46	13 14	High Winds
16	S	Day in. 6 50	D sets 5	8 43	18 9	and aturbulent
17	S	Low Sunday	9 A 3	18 28	22 7	Air with
18	M	Cl. flow 3 m.	10 15	0 II 58	25 4	△ ♀ Show-
19	T	Alphege.	11 18	13 13	26 43	ers of Rain and
20	W		Morn. 25	17	27 5	Hail.
21	C	Sun rise 4 39	0 6	7 12	26 10	D Apogee.
22	F	Sun set 7 23	0 44	19 2	24 7	Clear whole-
23	S	St. George.	1 11	0 50	20 58	some Winds
24	S	2d Saft. Easter	1 34	12 43	16 57	and temperate.
25	M	St. Mark.	1 52	24 44	12 15	* ♀ ○
26	T	Cl. flow 4 m	2 6	7 w 0	6 55	Some fertile
27	W	Term begins	2 18	19 36	1 16	Showers doing
28	C	Sun rise 4 27	2 31	2 37	4 S 37	much good
29	F	Sun set 7 34	2 45	16 3	10 30	□ ○ ♀
30	S	Jacobus.	3 0	29 54	16 4	△ h ♀

Wing.	Saturn.		Jupiter.		Mars.		Venus.	
	Decin.	Declin.	Decin.	Declin.	Decin.	Declin.	Decin.	Declin.
April	16	27	11 S 8	17 19	16 S 16	17 29	17 N 22	0 48 21 N 46
1748.	6	4 11	1 18	4 16	3 21	1 18 22	6 38 23	8
	11 5	42 10	54 18	48 15	5 24	30 19 18	12 26 24	14
	16 5	19 10	47 19	28 15	39 27	59 20 11	18 25	5
	21 4	57 10	38 20	3 15	28 1	27 20 57	23 51 25	38
	26 4	34 10	31 20	35 15	19 4	54 21 39	29 27 25	55

O. N.	Sun's Place.	Sun's Declin.	Observations.					
1 12	22	54	8 N	55	Day 13 h. 30 m. long, increased 6h. 6m.			
2 13	23	53	9	17	Alderman Reynardson fin'd 2000 £.			
3 F	24	52	9	38	degraded of his Mayoralty, and imprisoned in the Tower, for refusing to proclaim the Act against Monarchy, April 2, 1649.			
4 15	25	50	10	0				
5 16	26	49	10	21				
6 17	27	47	10	42				
7 18	28	46	11	3	Cor Caroli South at 11 at night.			
8 19	29	44	11	24	Sun enters ♀ 30 min. past 6 evening.			
9 20	♂	43	11	44	Day 14 h. long, increased 6 h. 36 m.			
10 F	1	41	12	4				
11 22	2	39	12	24	Mars sets 12 min. past 9 at night.			
12 23	3	38	12	44	Venus sets at 11 at night.			
13 24	4	36	13	4	Saturn rises at Sun set.			
14 25	5	34	13	24				
15 26	6	32	13	43				
16 27	7	31	14	2	Day 14 h. 30 m. long, increas. 7h. 6m.			
17 F	8	29	14	21	7 Stars set 9h. 25m. at night.			
18 29	9	27	14	40				
19 30	10	25	14	58				
20 M	11	23	15	16	Cambridge Term begins.			
21 2	12	21	15	34	Mars sets 9h. 13m. at night.			
22 3	13	19	15	51	Venus sets 11h. 22m. at night.			
23 4	14	17	16	9				
24 F	15	15	16	26	Day 15h. long, increased 7h. 36m.			
25 6	16	13	16	43	Now the Imperial Eagle bangs her Head,			
26 7	17	11	16	59	Drooping she mourns her wonted Thunder fled.			
27 8	18	9	17	15	Where shall she Succours seek, or whither fly?			
28 9	19	7	17	31	Shall she for ever in Confusion lye?			
29 10	20	5	17	47	Not so! her Aid the English Hero brings,			
30 11	21	3	18	2	England the Friend of her Allies and Kings.			

May 1748.

M D	W D	Holy Days. ○ rises & sets.	Moon rises.	Moon's Place.	Moon's Declin.	Jupiter rises South.		
						1	Im	43
1	S	3 S. aft. Easter	Altern.	14 M 11	20 8 53	6 1	23	6 m 17
2	M	Cl. flow 4 m	9 10	28 45 24	34	6 1	23	6 0
3	T	Inb. Cross	10 26	13 1 31 26	40	11 1	5 5	42
4	W	Sun rise 4 17	11 30	28 19 26	55	16 0	47 5	24
5	T	Sun set 7 44	Morn.	13 W 2 25	14	21 0	25 5	2
6	F	John Port	○ 227	33 21	51	26 0	51	42
7	S	D. 15 h 34 m	○ 36 11	49 17	13			
8	S	4 S aft. Easter	○ 57 25	47 11	45			
9	M	D. incr. 8 5	1 12 9	X 33 5	44			
10	T	Cl. flow 4 m	1 25 23	1 ○ N 22				
11	W	Christian	1 41 6 W	16 6	20			
12	C	Sun rise 4 7	1 53 19	20 11	52			
13	E	Sun set 7 55	2 9 28	11 16	56			
14	S		2 24 14	49 21	6 *			
15	S	Rogat. Sund	D sets 27	18 24	15 □	4	♀	Lofty
16	M	Cl. flow 3 m	9 A 6 9 II	35 26	16			Winds, some.
17	T	D. incr. 8 25	10 1 21	42 27	○			Storms of Rain
18	W	Diascorus	10 43 3 5	40 26	27			and Hail.
19	T	Ascension	D. 11 12 15	31 24	40	○	Apogee.	
20	F	Sunrise 3 52	11 39 27	20 21	48			Volatile.
21	S	Sun set 8 3	11 55 9 ♀	8 18	2	△	4	Fair,
22	S	6 S aft. Easter	Morn. 21	○ 13	33			clear and serene
23	M	Term ends	○ 11 2 W	1 8	25			Air and a fine
24	T	Pr. Geo. bo.	○ 24 15	17 3	2			comfortable
25	W	Sunrise 3 55	○ 36 27	5 1 2 S	39			Season.
26	T	Sun set 8 7	○ 48 10	48 8	25			
27	F	Wen Wedc.	1 ○ 24	15 14	○ ○	○	○	Fair, clear and serene
28	S	Cl. flow 2 m	1 18 8 M	8 19	5			Wind and frequent Showers.
29	S	Whit Sund	1 41 2 2	29 23	11			○ Δ □ ○ of
30	M	P's Am. & Ca. bo	2 16 7 1	13 26	○			Hail or Rain.
31	T	Tuesday.	3 ○ 22	14 27	○			

Wing.	Saturn	Jupiter	Mars	Venus
	Dec.	Dec.	Dec.	Dec.
May	14 22	10 54 21	4 15 5 13	8 23 22 N 18
1748.	6 3 52	10 19 21 23 15	6 21 46 22 49	10 26 25 41
	11 3 32	10 14 21 43 15	0 25 9 23 19	15 49 25 20
	16 3 13	10 8 21 3 14	57 22 32 23 40	21 6 24 23
	21 2 59	10 2 22 14 14	55 21 56 23 59	26 13 23 24
	26 2 44	9 59 22 21 14	56 26 76 24 10	19 14 22 12

O	Z	Sun's Place.	Sun's Declin.	Observations.
1	22	6	18 N 18	Saturn sets at 4 in the morning.
2	13 22	58	18 32	
3	14 23	56	18 47	Day 15 h. 30 m. long, incr. 8 h. 6 m.
4	15 24	54	19 1	Mars sets 9 h. 10 m. at night.
5	16 25	52	19 15	
6	17 26	49	19 28	Mars sets about 8 minutes after 11 at
7	18 27	47	19 41	night all this Month.
8	F 28	45	19 54	
9	20 29	42	20 7	Sun enters II 28 min. past 7 evening.
10	21 II	40	20 19	Alioth south at 9 at night.
11	22 I	37	20 31	
12	23 2	35	20 42	Virgin's Spike south at 9 at night.
13	24 3	32	20 53	
14	25 4	30	21 4	Day 16 h. long, increased 8 h. 36 m.
15	F 5	28	21 14	
16	27 6	25	21 25	Venus sets at half an hour after 11 at
17	28 7	23	21 34	night throughout this Month.
18	29 8	20	21 43	Seven Stars rises at 3 in the morning.
19	30 9	17	21 52	
20	31 10	15	22 1	
21	I 11	12	22 9	This Month's Events doth Europe's Cause advance,
22	F 12	10	22 17	Against the barb'rous Stratagems of France :
23	I 13	7	22 24	The Stars combine to be Britannia's Guards,
24	I 14	4	22 31	And on her Foes will spur our just Rewards ;
25	5 15	2	22 38	Hermes with Sol in Gemini doth join,
26	6 15	59	22 44	And Jove courts England's Mars by happy Trims.
27	7 16	56	22 50	
28	8 7	54	22 55	Arcturus south at 9 at night.
29	F 18	51	23 0	King Charles II. Restoration, 1660.
30	10 19	48	23 5	Day 16 h. 30 m. long. incr. 9 h. 6 m.
31	11 20	46	23 9	Max. elong. ♀ 45° 21'.

JUNE, 1748.

Last Quarter the 7th day, at 1 in the morn.  
New Moon the 14th day, at 8 at night.  
First Quarter the 22d day, at 10 at night.  
Full Moon the 29th day, at 4 afternoon.

Days	U	Jupiter
	rise	Scd.
1	21 2 40 4m 17	
6	21 3 56	
11	0 3 39	
16	38 3 14	
21	16 2 52	
26	54 2 29	

S D	S D	Holy-Days, ○rises & sets.	Moon- rises.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1 W	Ember-Week	10 a 3	7 h 22	25 S 59	△ ○ 4. D	Peng.
2 T	Erasmus.	10 32	22 24 23	7 6 5	δ ♀ . rain.	
3 F	Sun rise 3 50	11 5	7 h 15 18	42 △ h ♀		
4 S	Sun set 8 11	11 23	21 46 13	12	Wind and rain.	
5 S	Trinity-Sund.	11 34	5 h 56	7 10	△ h δ	
6 M	Clocks true	11 45	19 45 0	57	Serene, sweet,	
7 T	with the Sun.	11 57	3 h 16 4	N 56	temperate, and	
8 W	Day inc. 8 51	Morn.	16 21 10	51	prolific air.	
9 T	Ezop. Chal.	0 9	29 13 15	59	Some thunder	
10 F	Term begins.	0 27	11 8 51	20	18 showers.	
11 S	St. Barnabas.	0 48	24 16 23	41	K. Geo. II. Inau.	
12 S	1 S. aft. Trin.	1 16	6 h 30 25	56	△ ○ h	
13 M	Sun rise 3 48	2 0	18 35 26	57	Cloudy, obscure	
14 T	Sun set 8 12	D sets	0 h 33 26	41	weather.	
15 W	K. Geo. II. P.	9 a 11	12 25 25	10	D Apoge	
16 T	Cl. fast 2 m.	9 31	24 14 22	34	Wind, with	
17 F	St. Alban.	9 58	6 h 2 19	0	sudden show-	
18 S	Day 16h 20m	10 13	17 52 14	41	ers	
19 S	2 S. aft. Trin.	10 25	29 47 9	42	of rain or hail.	
20 M	Sun rise 3 52	10 37	11 h 52 4	26		
21 T	Sun set 8 8	10 50	24 9 1	S 8	Pleasant, agree-	
22 W	Day de. 10 m.	11 3	6 h 44 6	46	able weather,	
23 T	Agric平na.	11 16	19 39 12	15	inclin'd to heat.	
24 F	St. John. Bapt.	11 35	2 h 58 17	24	Pleasant, sun-	
25 S	Cl. fast 4 m.	11 58	16 45 31	47	shine, and	
26 S	3 S. aft. Trin. Morn.	0 158	25 6	6	δ . fine	
27 M	Sunrise 3 55	0 43	15 39 26	48	cheary wea-	
28 T	Sun set 8 4	1 38	0 h 37 26	42	ther.	
29 W	S. Pet. & Paul.	D rises	15 48 24	22	Term ends.	
30 T	Com. Pauli.	8 a 52	1 h 0 20	36	D Perige	

Wing.	D.	Saturn	Jupiter	Mars	Venus
	mp	Dec.	Decl.	II	Decl.
		R 30° S 55°	R 32° S 55°	29°	24 N 18° 7°
June		6 2 20 9	53 22 13 14	58 22 5 25	36 24 19 11 38 18 59
1748.		11 2 13 9	57 22 8 15	2 5 54 24	14 16 3 17 23
		16 2 9 9	49 21 54 25	7 9 12 24	9 20 6 25 36
		21 2 5 9	51 21 35 25	15 12 29 23	50 23 55 13 51
		26 2 D 4 9	52 22 13 15	23 15 40 23	30 27 16 12 4

O'	Z'	Sun's Place.	Sun's Declin.	Observations.
1	12	21	43 23 N 13	
2	13	22	40 23	16 Mars sets near 9 at night.
3	14	23	38 23	19 Venus sets at 11 at night.
4	15	24	35 23	22 Saturn sets 1 h. 30 m. in the morn.
5		25	32 23	24
6	17	26	29 23	26
7	18	27	27 23	27
8	19	28	24 23	28 North Ballance south at 9 at night.
9	20	29	21 23	28 Day increased 9 h. 12 m.
10	21	25	18 23	28 Longest Day at Stamford 16 h. 36 m.
11	22	1	16 23	28 Seven Stars rises at 1 in the morning.
12		2	13 23	27 Saturn south 7 h. 53 m. at night.
13	24	3	10 23	26 Serpent's neck south at 9 at night.
14	25	4	7 23	25
15	26	5	4 23	23
16	27	6	1 23	20
17	28	6	59 23	17 Saturn's in Scorpio, and retrograde is Jove,
18	29	7	56 23	14 Some Mischief's bid under the Veil of Love;
19		8	53 23	10 Scotland be cautious, Holland have a Care,
20	J.	9	50 23	6 The Scorpion stings before you be aware.
21	2	10	47 23	2
22	3	11	45 22	57 Day 16 h. 30 m. long, decreased 6 m.
23	4	12	42 22	52 Seven Stars rises 30 m. after midnight
24		5 13	39 22	46
25	6	14	36 22	40
26		5 15	33 22	34 Mars sets 8 h. 30 m. at night.
27	8	16	31 22	27 Venus sets at 10 at night.
28	9	17	28 22	20 Saturn sets at midnight.
29	10	18	25 22	12 Antares south at 9 at night.
30	11	19	22 22	4 Saturn south 6 h. 40 m. at night.

July, 1748.

Last Quarter the 5th day, at 10 in the morn.  
New Moon the 14th day, at 11 in the morn.  
First Quarter the 22d day, at 8 in the morn.  
Full Moon the 28th day, at midnight.

S	E	Jupiter
S	Rises	Sou.
1	9 2 34	2 m 8
6	9 13	1 46
11	8 53	1 24
16	8 32	1 2
21	8 10	0 38
26	7 50	0 17

N	E	Holy Days,	Moon	Moon's	Moon's	Aspects and
S	D	Rises & sets.	rises.	Place.	Declin.	Weather.
1	F	Sun rise 3 58	9 2 13	16 5	15 S 23	Lofty winds,
2	S	Visit. W. B.	9 27	0 X 51	9 17	and hasty
3	D	4 S. aft. Trin.	9 41	15 15	2 52	Showers of
4	M	Sun sets at 8	9 56	21 16	3 N 29	8 4 ♀ rain.
5	T	Dies Comit.	10 10	12 Y 50	9 28	* h ♀
6	W	Cl. fast 5 m.	10 27	26 C	14 52	Cloudy, but
7	X	Tho. à Beck.	10 48	8 8 49	19 27	fair, and in-
8	F	Sun rise 4 6	11 15	21 20	23 1	clin'd to heat.
9	S	Sun set 7 53	11 51	3 II 35	25 34	
10	D	5 S. aft. Trin.	Morn.	15 40	26 52	Serene and
11	M	Day 15h 42 m	0 35	27 37	26 35	fine seasonable
12	T	Day de. 42 m.	1 32	9 E 28	25 42	weather.
13	W	Cl. fast 6 m.	2 33	21 18	23 18	□ O h. D Apog.
14	Z	Sun rise 4 13	D sets	3 N 6	19 58	Cloudy, and
15	F	S. Swithin.	8 2 17	14 56	15 47	unsettled wea-
16	S	Sun set 7 45	8 30	26 53	10 58	ther, some
17	D	6 S. aft. Trin.	8 42	8 m 25	5 43	sudden showers
18	M		8 54	21 7	0 11	of rain.
19	T	Dog-days beg.	9 7	3 A 33	5 S 27	
20	W	Cl. fast 6 m.	9 19	16 12	10 55	Curious re-
21	X	Sun rise 4 22	9 37	29 8	15 59	freshing gales.
22	F	Mary Mag.	10 1	12 Y 25	20 31	□ h δ. Heat,
23	S	Sun set 7 34	10 30	26 3	24 7	with some thun-
24	D	7 S. aft. Trin.	11 21	10 A 5	26 22	der storms.
25	M	St. James.	Morn.	24 30	27 0	Dry pestiferous
26	T	St. Anne.	0 28	9 Y 15	25 44	winds.
27	W	Day de. 1 30	1 53	24 14	22 36	* h ♀. D Perige
28	Z	Cl. fast 5 m.	D rises	9 m 20	17 51	Hafty showers.
29	F	Sunrise 4 36	7 2 31	24 25	12 C	8 O 4. Fine,
30	S	Sunset 7 23	7 49	9 X 15	5 35	Serene, and
31	D	8 S. aft. Trin.	8 3 23	49 1	N 1	pleasant air.

Wing.	Saturn	Jupiter	Mars	Venus
	Decl.	Decl.	Decl.	Decl.
July	12 8 9 S 54 20 47 15 S 32 19 1 23 N 18 0 12 10 N 23			
	6 2 12 9 56 20 16 15 43 22 16 22 38 2 30 8 44			
1748	11 2 19 9 59 19 43 15 54 25 30 23 44 4 8 7 14			
	16 2 30 10 5 19 8 16 9 28 44 21 29 4 50 5 30			
	21 2 4 10 10 18 31 16 19 30 57 29 48 4 45 5 0			
	26 2 56 10 16 17 52 16 32 5 10 20 4 3 40 4 28			

O	Z	Sun's Place.	Sun's Declin.	Observations.

1 12 20	19 21	56	Venus sets 9 h. 33 m. at night.
2 13 21	17 21	47	Saturn sets 11 h. 43 m. at night.
3 F 22	14 21	38	
4 15 23	11 21	28	Mercury sets 1 h. 10 m. after the ☽.
5 16 24	8 21	18	Commencement-day at Cambridge.
6 17 25	6 21	8	Seven Stars rises 11 h. 29 m. at night.
7 18 26	3 20	58	
8 19 27	0 20	47	Day 16 h. long, decreased 36 m.
9 20 27	58 20	36	Hand of Antinous south at midnight.
10 F 28	55 20	24	
11 22 29	52 20	12	Sun enters ♐ 15 m. past 3 afternoon.
12 23 ♐	50 20	0	Head of Serpentarius south 9 at night.
13 24 1	47 19	48	
14 25 2	44 19	34	The Sun eclipsed, visible at 11 morn.
15 26 3	42 19	21	
16 27 4	39 19	8	
17 F 5	36 18	54	At this Eclipse two angry Stars appear;
18 29 6	34 18	40	Mars to old Saturn darts his bateful Square;
19 30 7	31 18	25	Hence follows Quarrels from their proper Cause;
20 31 8	29 18	10	Some for Religion, some for the Nations Laws;
21 A 9	26 17	55	The Land's uneasy, some great Ones do repine,
			So doth the Farmer, so doth the Divine.
22 2 10	24 17	40	
23 3 11	21 17	24	
24 F 12	19 17	8	Venus sets at 8 at night, and Saturn
25 5 13	16 16	52	sets at 10.
26 6 14	14 16	35	Seven Stars rises 10 h. 10 m. at night.
27 7 15	11 16	18	Day 15 h. long, decreased 1 h. 36 m.
28 8 16	9 16	1	The ♫ eclipsed, visible at 11 at night.
29 9 17	6 15	44	
30 10 18	4 15	26	Draco south at 9 at night.
31 F 19	2 15	8	Princess Augusta born, 1737.

August, 1748.

D Jupiter  
Sun. Sets.

Last Quarter the 4th day, at 11 at night.	11 11 24 3	4 m 14
New Moon the 13th day, at 3 in the morn.	6 11 27 3	5 1
First Quarter the 20th day, at 4 afternoon.	11 11 6 3	29
Full Moon the 27th day, at 8 morning.	16 10 46 3	8
	21 10 24 3	45
	26 10 4 2	24

S.	N.	Holy Days, D. rises & sets.	Moon rises.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1 M	Lammas-day.	8 a 19	7 v 57	7 N 22	6 O ♀	
2 T	Sun rise 4 43	8 35	21 40	13 10	Lofty winds	
3 W	Sun set 7 15	8 54	48 56	18	and sudden	
4 M	Day 14 h 30 m	9 19	17 46	22	showers.	
5 F	Day dec. 2 h.	9 42	0 11 16	24	Pleasant and	
6 S	Transfig.	10 37	12 30	26	8 24 ♀ more	
7 S	S. aft. Trin.	11 32	24 29	27	settled weather.	
8 M	Sun rise 4 54	Morn.	6 23	21 26	7	6 O ♀
9 T	Sun set 7 5	0 28	18	9 24	1 D Apoge	
10 W	Laurence.	1 36	29	57 20	53 Wind and rain.	
11 M	Cl. fast 3 m.	2 49	11 Ω 48	16	8 24 ♂	
12 F		D sets	23	45 12	16 Thunder cornu-	
13 S	Day de. 2 30	6 a 56	5 v 50	7	cations and	
14 S	10 S. aft. Trin.	7 8	18	5 1	sickly air.	
15 M	Assumption.	7 21	0 23 31	4 S 3	* O h	
16 T	Day 13 h 45 m	7 33	13	10 9	Indifferent good	
17 W	Sun rise 5 10	7 50	26	2 14	harvest wea-	
18 T	Sun set 6 48	8 10	9 v 8	19	ther, but some-	
19 F	Clo. fast 1 m.	8 43	22	27 23	what windy.	
20 S	Bernard.	9 21	6 1	5 25	Small showers	
21 S	11 S. aft. Trin.	10 17	19	57 26	6 ♂ ♀ of rain.	
22 M	Day dec. 3 6	11 29	4 v 9	7 26	Fine weather.	
23 T	Cl. slow 1 m.	Morn.	18	32 23	44 D Perige	
24 W	S. Bartholom.	0 58	3 v 10	19	Some thunder	
25 T	Sun rise 5 25	1 30	7	55 14	and hasty	
26 F	Sun set 6 33	3 0	2 23 43	8	showers of	
27 S	Dog-days end	D rises	17	26 1	rain or hail.	
28 S	12 S. aft. Trin.	6 2 31	1 v 55	4 N 40	Variable.	
29 M	Decol. J. B.	6 47	16	5 10	* h ♀	
30 T	Sun rise 5 35	7 8	29 49	16	Calm, dry	
31 W	Sun set 6 23	7 22	13 8	9 20	weather.	

Wing	S	Saturn	Jupiter	Mars	Venus
	m	Decl.	m	Decl.	m
	13	16 10 S 24 16	50 16 S 46	9	11 19 N 6 18 10 4 N 10
Aug.	6	3 35 10 32 16 27 16	58 12 13 18 14 28 24 4 27		
1748.	11	3 54 10 41 15 49 17	10 15 24 17 20 25 20 5 11		
	16	4 17 10 50 15 13 17	20 18 36 16 22 22 36 6		
	21	4 42 10 39 14 40 17	31 21 46 15 24 20 24 7 10		
	26	5 7 11 9 14 10 17	41 24 57 14 22 19 23 8 6		

Q N Sun's Sun's  
S S Place Declin

### Observations.

1	12	20	0	14 N	50 Saturn sets 9 h. 43 m. at night.
2	13	20	57	14	32 Mars rises 3 h. 33 m. in the morning.
3	14	21	55	14	14
4	15	22	52	13	55
5	16	23	50	13	36 Day 14 h. 30 m. long, decr. 2 h. 6 m.
6	17	24	48	13	17 Lyra, or the shining harp south at 9
7	F	25	46	12	at night, alt. 75° 45".
8	19	26	44	12	27
9	20	27	41	12	18
10	21	28	39	11	58 Seven Stars rises 9 h. 15 m. at night.
11	22	29	37	11	37 Sun enters ♈ at 26 m. past 9 at night.
12	23	30	35	11	17
13	24	1	33	10	56 Day 14 h. long, decreased 2 h. 36 m.
14	F	2	31	10	38
15	26	3	29	10	15 Fomalhant south at 9 at night.
16	27	4	27	9	53
17	28	5	25	9	32 Saturn sets at 9 at night.
18	29	6	23	9	11 Mars rises at half an hour after 2 in
19	30	7	21	8	the morning.
20	31	8	19	8	28 Day decreased 3 h. 6 m.
21	F	9	18	8	6
22	S.	10	16	7	44 Mercury with fiery Mars doth now appear,
23	3	11	14	7	22 Having before join'd Heaven's Chariateer;
24	4	12	12	7	○ Heat begets Heat, and Flames do Flames create,
25	5	13	11	6	37 Here's Matter lodg'd for fiery bleeding Fate;
26	6	14	9	6	15 'Twill stir up Mischief, and will make some
27	7	15	7	5	In Rome, France, Germany, and Britain too,
28	F	16	6	5	30
29	9	17	4	5	7 Day 13 h. long, decreased 3 h. 36 m.
30	10	18	2	4	44 Seven Stars rises at 8 at night.
31	11	19	1	4	21 Hand of Antinous south at 9 at night.

September, 1748.

Jupiter

Sou.

Set.

Last Quarter the 3d day, at 9 afternoon.

7	9	24	2 m 0
6	9	23	1 39

New Moon the 11th day, at 6 in the even.

13	9	2	2 20
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First Quarter the 18th day, at 11 at night.

16	8	43	1 1
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Full Moon the 25th day, at 6 in the even.

21	8	25	0 43
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26	8	6	0 24
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N	S	Holy-Days, C. rises & sets	Moon rises.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	E	Biles.	7 a 53	25	2 23 N 59	Ruffling winds,
2	F	London burnt.	8 36	8 II 44	26	6 and heavy
3	S	A. D. 1666.	9 23	20 47	26 52	Showers of rain.
4	S	13 S. aft. Trin.	10 27	25 48	26 15	More calm
5	M	Sun rise 5 47	11 34	14 38	24 38	and settled.
6	T	Sun set 6 11	Morn.	26 26	21 49	D Apoge
7	W	Cl. flow 5 m.	0 45	8 II 15	18	6 Moderate good
8	T	Lat. 31. 9.	1 55	20 8	13 39	weather, fair
9	F	Day dec. 4 15	3 16	2 III 11	8 37	and settled,
10	S		4 20	14 27	3 12	and continues
11	S	14 S. aft. Trin.	D sets	26 57	2 S 23	so for some
12	M	Equal D & N.	5 a 50	9 II 41	8 2	* ○ ♀. days.
13	T	Day br. 4 0	6 7	22 39	13 17	Windy, and
14	W	Holy Rood.	6 25	5 III 52	18 19	* h δ some
15	L	Cl. flow 9 m.	6 54	19 16	22 20	hasty showers
16	F	Day dec. 4 45	7 29	2 I 51	25 13	of rain.
17	S		8 21	16 35	26 40	Close, foggy
18	S	15 S. aft. Trin.	9 28	0 IV 28	26 27	weather, but
19	M	Sun rise 6 15	10 42	14 30	24 33	* 24 ♀ not
20	T	Sun set 5 45	Morn.	28 39	21 5	D Perige
21	W	St. Matthew.	0 20	12 III	55 16	much rain
22	T	Ember Week.	1 45	27 17	10 42	at present.
23	F	Day dec. 5 10	3 14	11 X 40	4 18	△ ○ 4
24	S	Cl. flow 12 m.	4 36	26 1	2 N 12	Cold storms
25	S	16 S. aft. Trin.	D rises	10 V 11	8 17	of rain, and
26	M	St. Cyprian.	5 a 22	24 8	13 56	high winds.
27	T	Sun rise 6 30	5 41	7 8 46	18 45	The weather
28	W	Sun set 5 28	6 7	21 2 22	32 now clears up,	
29	T	St. Michael.	6 45	3 II 55	25 6	and becomes
30	F	St. Jerom.	7 29	16 27	26 23	more temperate.

Wing.	D	Saturn	Jupiter	Mars	Venus
	z	m	Decl.	z	m
Sept.	15	4 11 5 21	13 38 17 5 49 28	45 13 N 3 18 D 49 30	3
	6 6	11 11 31 13	16 17 55 27 55	13 57 19 42 19	32
1748.	11 6	4 11 4 12	58 18 0 5	4 10 49 28 25 9 49	
	16 7	11 11 52 12	45 18 3 8	13 9 38 23 51 9 51	
	21 7	45 12 3 12	37 18 6 11	22 8 27 26 54 9 38	
	26 8	19 12 14 12	32 18 7 14	31 7 16 0 17 24 9 30	

O	Z	Sun's	Sun's	Observations.	
S.	a.	Place.	Declin.		
1	12	19	59	3 N 58	Head of Andromeda south at midnight.
2	13	20	58	3 35	
3	14	21	57	3 12	
4	F	22	55	2 49	Day 12 h. 30 m. long, dec. 4 h. 6 m.
5	16	23	54	2 26	
6	17	24	52	2 2	Venus rises at 3 in the morning.
7	18	25	51	1 39	Mars rises 30 m. after Venus.
8	19	26	50	1 16	Saturn sets 7 h. 30 m. at night.
9	20	27	49	0 52	
10	21	28	48	0 29	
11	F	29	46	0 6	Equal Day and Night, dec. 4 h. 36 m.
12	23	—	45	0 S 18	Seven Stars rises at 7 at night, and are
13	24	1	44	0 41	south 30 m. after 3 in the morning.
14	25	2	43	1 5	
15	26	3	42	1 28	Fomahant south 10 h. 32 m. at night.
16	27	4	41	1 52	Moon eclipses Cor $\pi$ , at 6 even. invis.
17	28	5	40	2 15	
18	F	6	39	2 38	Bright Star in the Tail of $\nu$ south at
19	30	7	38	3 2	9 at night. Altitude 20 degrees.
20	O.	8	37	3 25	Day 11 h. 30 m. long, decr. 5 h. 6 m.
21	2	9	37	3 49	
22	3	10	36	4 12	
23	4	11	35	4 35	Venus rises 2 h. 30 m. in the morning.
24	5	12	34	4 58	Mars rises 3 h. 34 m. in the morning.
25	1	13	33	4 21	Saturn sets 6 h. 30 m. at night.
26	7	14	33	5 44	Sirius south 5 h. 42 m. in the morning.
27	8	15	32	6 7	Day 11 h. long, decreased 5 h. 36 m.
28	9	16	32	6 30	Moon eclipses Seven Stars at 9 at night.
29	10	17	31	6 53	
30	11	18	30	7 16	

October, 1746.

Jupiter  
Sat. Sou. Sets.

Last Quarter the 3d day, at 10 in the morn.	1	7	48	02	5
New Moon the 11th day, at 8 in the morn.	6	7	30	11	48
First Quarter the 18th day, at 7 in the morn.	11	7	11	11	29
Full Moon the 25th day, at 7 in the morn.	16	6	53	11	11

N.	S.	Holy Days, Orries & sets.	Moon rises.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	S.	Remigius.	8 a 23	28 40	26 N 22	Mild and tem- perate weather.
2	S.	17 S. aft. Trin.	9 30	10 25	41 25	4 Apoge
3	M.	Sun rise 6 42	10 38	22 23	22 38	1 Apoge
4	T.	Sun set 5 16	11 49	4 51	19 19	13 * ♀ ♀
5	W.	Cl. flow 14 m.	Morn.	16 10	15 1	6 h ♀ Dry
6	E.	Faith Virg.	1 0	28 5	10 4	winds and
7	F.	Sun rise 6 50	2 13	10 17	13 4	51 * h ♀ Frosty
8	S.	Sun set 5 8	3 36	22 37	0 S 40	□ 24 ♀ air.
9	S.	18 S. aft. Trin.	4 39	5 21	21 6	15 Blust'ring winds
10	M.	Day dec. 6 18	5 53	18 20	11 1	38 and frequent
11	T.	K. Geo. II. cr.	D sets	1 17	40 16	40 showers of
12	W.	Day 10 hours.	5 a 2	15 15	21 21	6 rain.
13	E.	Sun rise 7 0	5 35	29 4	24 24	21 Cloudy, close
14	F.	Calistus.	6 25	13 1	22 26	13 and misty
15	S.	Sun set 4 54	7 27	27 5	26 26	26 weather.
16	S.	19 S. aft. Trin.	8 46	11 17	12 24	52 Rough winds.
17	M.	Cl. flow 16 m.	10 42	5	25 18	46 D Perige
18	T.	St. Luke.	11 37	9 24	17 17	24 Wind and
19	W.	Sunrise 7 12	Morn.	23 28	12 12	2 showers.
20	♀	Sun set 4 46	1 6	7 31	6 6	* ♂ ♀
21	F.	Cirksula.	2 24	21 30	0 N 6	Dull, heavy
22	S.	Ps. Orange b.	3 48	5 25	25 6	16 obscure wea-
23	S.	20 S. aft. Trin.	5 7	19 11	12 2	26 O h ther.
24	M.	Term begins.	6 20	2 45	47 10	Dark, cold and
25	T.	Crispin.	D rises	16	5 21	19 □ O 4 cloudy
26	W.	Cl. flow 16 m.	4 a 41	29 7	24 24	19 weather, and
27	E.	P.R.H.-Fred b.	5 16	11 11	51 26	4 hurtful fogs.
28	F.	S. Sim. & Jude.	6 16	24 19	26 26	Very unsettled
29	S.	Sunrise 7 31	7 18	6 25	18 25	30 weather.
30	S.	21 S. aft. Trin.	8 24	18 30	23 19	K. Geo. II. born.
31	M.	Sun set 4 26	9 33	0 19	20 13	D Apoge.

Wing.	Days	Saturn m̄   Dec.	Jupiter m̄   Decl.	Mars m̄   Dec.	Venus m̄   Dec.
		1 8 54	12 S 25 12 D 34	18 S 6 17	39 6 N 3
		6 9 29	12 36 12 41 18	3 20 47 4	49 8 38 7 25
Oct.	11 10	4 12 48	12 53 17	59 23 55 3	35 13 10 6 16
1748.	16 10	38 13 0 13	9 17 54 27	2 2 21 17	58 4 53
	21 11	15 13 11 13	29 17 46 0 25	9 1 6 22	57 3 22
	26 11	51 13 22 13	55 17 36 3	16 0 S 8 28	9 1 41

O	Z	Sun's Place.	Sun's Declin.	Observations.
1	12	19	30	7 S 38 Sirius, or the great Dog-Star south
2	F	20	30	8 1 20 m. after 5 in the morning.
3	I	21	30	8 23
4	I	22	29	8 45 Day 10 h. 30 m. long, decr. 6 h. 6 m.
5	16	23	29	9 8 Seven Stars south at 2 in the morning
6	17	24	28	9 30
7	18	25	28	9 32 Venus rises about half an hour after 2
8	19	26	28	10 13 in the morning, and Mars at half an
9	F	27	28	10 35 hour after 3 all this Month.
10	21	28	27	10 56 Cambridge Term begins 11th Day.
11	22	29	27	11 18 Day 10 h. long, decreased 6 h. 36 m.
12	23	m̄	27	11 39 Sun enters m̄ at 1 in the morning.
13	24	1	27	12 0
14	25	2	27	12 20 Fomalhant south 8 h. 45 m. at night.
15	26	3	27	12 41
16	F	4	27	13 1
17	28	5	27	13 21
18	29	6	27	13 41
19	30	7	27	14 1 Day 9 h. 30 m. long, decr. 7 h. 6 m.
20	31	8	28	14 20 Max. elong. ♀ 46° 34'.
21	N.	9	28	14 40 Seven Stars south at 1 in the morning.
22	2	10	28	14 59 Sirius south at 4 in the morning.
23	F	11	28	15 17
24	4	12	28	15 36 Head of Andromeda south at 9 at night.
25	5	13	29	15 54
26	6	14	29	16 12 Moon eclipses Seven Stars at 6 morn.
27	7	15	29	16 30 Day 9 h. long, decreased 7 h. 36 m.
28	8	16	30	16 47
29	9	17	30	17 5 Cassiopeas Chair south at 9 at night.
30	F	18	31	17 21 Mercury sets 1 h. 3 m. after the Sun.
31	11	19	31	17 38

November, 1748.

Jupiter  
Sat. | Sets.

Last Quarter the 2d day, at 7 in the morn.

New Moon the 9th day, at 8 at night.

First Quarter the 16th day, at 3 afternoon.

Full Moon the 23d day, at 11 at night.

1	5	56	10	217
6	5	38	10	0
11	5	20	9	44
16	5	2	9	27
21	4	42	9	9
26	4	24	3	53

N	S	Holy-Days, ○ rises & sets.	Moon rises.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1 T	All Saints.	10 a 44	12 $\varnothing$ 7	16 N 18		Temperate and
2 W	All Souls.	11 56 23	56	11 44		dry, but some-
3 T	Sun rise 7 40	Morn.	5 $\pi$ 54	6 42	* 4 ♀ what	
4 P	Sun set 4 20	1 0 18	15	1 13	windy.	
5 S	Powder-Plot.	2 14	0 $\Delta$ 51	4 S 15	6 ♂ ♀	
6 S	22 S. aft. Trin.	3 27	13 18	9 43	Cold windy	
7 M	Cl. flow 15 m.	4 49 26	29	14 57	weather, with	
8 T	Day dec. 8 h.	6 10 10 $\pi$	4 19	35	snow or sleet.	
9 W	Theodosius.	D sets 23	59	23 17	Heavy rains.	
10 T	Sun rise 7 50	4 2 11	8 $\Delta$ 11	25 42	* 4 ♀	
11 F	Martinmas.	5 14	22	26 25	△ 4 ♀ . * ♀ ♀	
12 S	Sun set 4 8	6 28	7 $\pi$ 6	25 19	* 3 ♀	
13 S	23 S. aft. Trin.	7 51 21	34	22 32	Wind and rain.	
14 M	Pr. W-Hen. b.	9 20	5 $\pi$ 57	18 20	○ Perige	
15 T	Machutus.	10 48 20	13	13 6	Cold, dark,	
16 W	Cl. flow 12 m	Morn.	4 $\times$ 19	7 17	△ 4 ♂ and	
17 T	Sun rise 8 0	0 7 18	15	1 8	drizzling rains.	
18 F	Sun set 4 0	1 30	19 59	4 N 57	* ○ ♀	
19 S	Prs. Wales b.	2 5	15	10 42	Frosty air,	
20 S	24 S. aft. Trin.	3 38 28	54	14 47	and variable	
21 M	Day 8 hours.	4 26 12 8	5	20 14	weather.	
22 T	Cecilia.	6 42 24	3	23 31	High winds,	
23 W	Sunrise 8 5	D rises 7 II 47	25	36	with storms	
24 T	Sunset 3 55	4 a 120	15	26 23	of snow or	
25 F	Catherine.	4 56 2 $\varpi$ 32	25	4 8	cold rain.	
26 S	Day dec. 8 40	6 0 14	38	24 0	Frost, with	
27 S	Advent-Sund.	7 10 26	33	21 8	snow or sleet.	
28 M	Term ends.	8 21	8 $\varnothing$ 23	17 25	* ○ 4	
29 T	Cl. flow 7 m.	9 30 20	11	13 0	○ Apoge	
30 W	St. Andrew.	10 39 2 $\pi$	1	8 11	Dry winds.	

Wing.	D.	Saturn	Jupiter	Mars	Venus
	yr	Dec.	Dec.	Dec.	Dec.
NOV.		7 12 35 13 S 36 14	31 17 S 27 7	0 15 33	4 32 0 8 23
	6 13	7 13 46 15	6 17 16 10	6 2 51	9 59 2 23
	11 13	46 13 36 15	46 17 4 13	3 14	3 15 35 4 20
1748.	16 14	21 14 6 16	28 16 50 16	16 9 24 23	13 16 20
	21 14	55 14 16 17	14 16 37 19	21 6 28 26	58 8 16
	26 15	28 14 24 18	4 16 21 22	25 7 36 27 47 10	15

O	N	Sun's	Sun's	Observations.	
S.	S.	Place.	Declin.		
1	12	20	32 17 S 54		
2	13	21	32 18 10		
3	14	22	33 18 26	Consuls on foot, & b' oppressed hope for Peace.	
4	15	23	33 18 41	Even Europe's Tyrants want to be at Ease.	
5	16	24	34 18 56	Will Lewis, think ye, accept of just Conditions?	
6	F	25	34 19 10	Or yet disgorge his unjust Acquisitions?	
7	18	26	35 19 25	Tis we the Terms of Peace may justly fear;	
8	19	27	36 19 39	Have Frenchmen ever yet been found fiers?	
9	20	28	37 19 53	Pole Star on the Meridian 9 at night.	
10	21	29	37 20 6	Sun enters ♈ at 9 at night.	
11	22	1	38 20 19		
12	23	1	39 20 31	Mars and Venus rise nearly together,	
13	F	2	40 20 43	soon after 3 in the morning.	
14	25	3	40 20 55		
15	26	4	41 21 6	Day 8 hours long, decr. 8 h. 36 m.	
16	27	5	42 21 17		
17	28	6	43 21 28	Seven Stars south at 11 at night.	
18	29	7	44 21 38	Sirius, or the great Dog-Star south at	
19	30	8	45 21 47	2 in the morning.	
20	F	9	46 21 57		
21	D.	10	47 22 5		
22	3	11	48 22 14		
23	4	12	49 22 22	South Foot of Androm. sou. 9 at night.	
24	5	13	50 22 29	Saturn rises 5 h. 24 m. in the morning.	
25	6	14	51 22 37	Bright * of γ south 9 at night.	
26	7	15	52 22 43		
27	F	16	53 22 49	Mars rises at 3 in the morning, and	
28	9	17	54 22 55	Venus at 4.	
29	10	18	55 23 c	Day 7 h. 30 m. long, decr. 9 h. 6 m.	
30	11	19	56 23 5	Seven Stars south 10 h. 15 m. at night.	

December, 1748.

Jupiter.

Sou.

Sets.

Last Quarter the 2d day, at 3 in the morn.	1	4	5	8 a 40
New Moon the 9th day, at 8 in the morn.	6	3	46	8 18
First Quarter the 15th day, at midnight.	11	3	28	8 2
Full Moon the 23d day, at 4 afternoon.	16	3	9	7 45
Last Quarter the 31st day, at 9 at night.	21	2	52	7 30
	26	2	34	7 15

M.	S.	Holy-Days, S. & C. rules & sets.	Moon rises.	Moon's Place.	Moon's Declin.	Aspects and Weather.
1	9	Mirgilius.	11 a 48	13 $\pi$ 57	2 N 58	Sharp freezing
2	F	Sun rise 8 11	Morn.	26 7	2 S 26	winds, with
3	S	Sunset 3 48	1 3	8 $\Delta$ 31	7 49	some snow
4	S.	28. in Advent.	2 9	21 19 13	6	or sleet.
5	M	Clock slow 4 m.	3 28	4 $\pi$ 30	17 54	Cold rain and
6	T	Nicholas.	4 49	18	7 21	much winter-
7	W	Q. Den. bor.	6 11	2 $\Delta$ 11 24	53	♂ ♀ like
8	E	Conc. W. M.	7 28	16 36 26	18	weather.
9	F	Sun rise 8 13	D sets	1 $\pi$ 20 25	57	Wet and stormy
10	S	Sunset 3 47	5 a 10	16 12 23	40	weather.
11	S.	28. in Advent.	6 42	1 $\pi$ 7 19	47	□ 24 ♀. D Perige
12	M	Clocks true.	8 10	15 54 14	40	* ⊖ ♂
13	T	Lucia Virg.	9 39	0 X 29 8	49	Wholesome N.
14	W	Ember Week	11 2	14 48 2	32	winds and sea-
15	E	Sunrise 8 12	Morn.	28 49	3 N 41	sonable frosts,
16	F	W Sapient.	0 24	12 $\pi$ 32	9 35	
17	S	Sunset 3 48	1 43	25 55 14	56	Rough winds,
18	S.	4 S. in Advent.	3 3	9 8 2 19	22	and storms of
19	M	Day 7 h 38 m.	4 20	23 53 22	53	snow or rain.
20	T	Clo. fast 4 m.	5 29	4 II 31 25	15	Dark, drizzling
21	W	St. Thomas.	6 27	16 56 26	20	weather still
22	E	Demetrius.	7 26	29 10 26	5	continues.
23	F	Sunrise 8 8	D rises	11 $\pi$ 15 24	35	Cold winds,
24	S	Sunset 3 52	4 a 40	23 12 21	58	and cloudy.
25	S.	Christm. Day.	5 53	5 $\pi$ 3 18	26	D Apoge
26	M	St. Stephen.	7 2	16 52 14	12	Sharp frosty
27	T	St. John.	8 12	28 40 9	28	winds, but
28	W	H. Innocents.	9 18	10 $\pi$ 33 4	20	* ⊖ ♀ for
29	E	Day inc. 18 m.	10 31	22 31 0	57	the most part
30	F	Pr. Eliz. bor.	11 41	4 $\Delta$ 39 6	19	fair.
31	S	Sibyller.	0 m 52 17	3 11	29	Some snow.

Wing.	Saturn	Jupiter	Mars	Venus
	yr	Decl.	yr	Decl.
Dec.	116	14 S 32 18	56 16 S 5 25	29 8 S 45 8
1748.	6 16 31	14 42 19 51 15 47 28	32 9 51 14 27 14	0
	11 17	1 14 49 20 50 15 29	17 24 10 56 20 34 15 45	
	16 17	30 14 57 21 49 15 12	4 35 12 126 34 17 29	
	21 17	55 15 5 22 50 14 49	7 37 12 59 2 16 18 45	
	26 18	21 15 10 23 53 14 28	10 37 13 58 8 40 19 58	

○	Z	Sun's Place.	Sun's Declin.	Observations.
1	12	20	57 23 S 10	
2	13	21	58 23	14 Mars rises at 3 in the morning.
3	14	23	0 23	17 Seven Stars south at 10 at night.
4	F	24	1 23	20
5	16	25	2 23	22 Sirius south at 1 in the morning.
6	17	26	3 23	24 Saturn and Venus rises together at half
7	18	27	4 23	26 an hour past 4 in the morning.
8	19	28	5 23	28 Mandibula south at 9 at night.
9	20	29	6 23	28 Days decreased 9 h. 12 m.
10	21	29	7 23	28 Shortest Day at Stamford, 7 h. 24 m.
11	F	1	9 23	28 Seven Stars south 9 h. 30 m. at night.
12	23	2	10 23	27
13	24	3	11 23	26
14	25	4	12 23	24
15	26	5	13 23	22 Sirius south at midnight.
16	27	6	14 23	20 Cambridge Term ends.
17	28	7	15 23	17
18	F	8	17 23	13 Seven Stars south at 9 at night.
19	30	9	18 23	9 Moon eclipses 7 *'s 8 h. 20 m. atnight.
20	31	10	19 23	4
21	J.	11	20 22	59
22	2	12	22 22	54 Day 7 h. 30 m. long, increas. 6 min.
23	3	13	23 22	48
24	4	14	24 22	42
25	E	15	25 22	35 Saturn and Mars in Scorpio fix their Stage,
26	6	16	26 22	35 Some Northern Countries sure will feel their Rage,
27	7	17	27 22	28 Now treacherous France once more may find a Way,
28	8	18	28 22	20 Occasional Rebellion to display :
29	9	19	29 22	12 All Hands aloft, ward off that secret Hate,
30	10	20	30 21	That seeks to overturn our Church and State.
31	11	21	32 21	3 Aldebaran south at 9 at night.
			45	

The Longitude and Declination of Mercury  
for the Year 1748.

Days	Janua.	Febru.	March	April	May	June
1	29 18	15 48	8 59	10 45	27 30	26 39
4	3 7	21	13	9	28	18 51
7	7	10 26	23 16	43 9	2 6	31 9 15
10	11	24	13 51	19 5	D 16	11 31 15 0
13	15	45 7	29 20	22 10	12 16	51 20 40
16	20	13 13	12 20	30 11	55 22	32 25 53
19	24	46 8	59 19	R 34 14	6 28	34 0 49
22	29	25 24	45 17	50 16	49 4 II 47	5 26
25	4 12	0 25	15 38	20 0	11 16	9 40
28	9	7 5	45 13	21 23	33 17	55 13 33
	July	August	Sept.	Octob.	Nov.	Dec.
1	17 0	3 20 0	19 9 40	I 49	12 4 56	0 4 44
4	20	9 17	52 15	19 6	27 15	8 2 32
7	22	48 16	4 20	56 11	0 16	19 5 15
10	24	57 15	6 26	28 15	22 16 R	12 8 26
13	26	31 15	D 18	I 54 19	40 14	32 12 2
16	27	25 10	42 7	12 23	54 11	23 16 0
19	27	36 19	17 12	22 28	1 7	18 20 4
22	26	59 22	56 17	26 1 4	56 3	32 24 25
25	25	38 27	23 22	21 5	37 0	58 28 46
28	23	41 2	25 27	7 9	2 0 D	7 3 19 11

The Declination of Mercury to every Fifth Day.

Days	1	6	11	16	21	26
January	22 S 42	23	17 23	25 23	2 22	8 20 43
February	18 S 4 15	23 11	52 7	54 3	50 1 N	5
March	4 N 29	8	5 10	24 11	3 10	5 7 51
April	4 52	3	0 2	8 2	22 3	34 5 25
May	7 52	10	44 13	57 17	14 20	23 22 58
June	24 46	25	6 24	19 22	42 20	36 18 11
July	15 35	13	5 11	1 9	24 8	34 8 44
August	10 23	12	25 14	11 15	4 14	48 13 8
September	9 35	5	57 2	4 1 8	52 5	40 9 16
October	12 S 36	15	40 18	26 20	48 22	43 24 5
November	24 55	24	50 23	51 21	46 19	18 17 38
December	17 5 18	5 1 20	19 21	48 23	0 23	48

# W I N G

## A PROGNOSTICATION, For the Year of our LORD GOD, 1748.

An Explanation of the Characters made use of in  
this Almanack.

The Seven Planets  
and Five Aspects.

Aspects.

- ♃ Saturn
- ♄ Jupiter
- ♂ Mars
- The Sun
- ♀ Venus
- ☿ Mercury
- ☾ The Moon
- ☌ Conjunction
- \* Sextile
- Square
- △ Trine
- ☍ Opposition

The Twelve  
Signs.

- ♈ Aries
- ♉ Taurus
- ♊ Gemini
- ♋ Cancer
- ♌ Leo
- ♍ Virgo
- ♎ Libra
- ♏ Scorpio
- ♐ Sagittary
- ♑ Capricorn
- ♒ Aquarius
- ♓ Pisces

LANDS Surveyed, and MAPS of the same curiously  
drawn; Designs and Estimates for Buildings or Re-  
pairs made and calculated; Artificers Work in-  
spected and measur'd; also Timber and Pole-  
Wood Survey'd, Valu'd, and Sold, by TYCHO  
WING of Pickworth in the County of Rut-  
land, and his Son John Wing.

Wing 1748.

I. A Compendious Chronology of Memorable Things since the Creation to this present Year.

A.P.J.	before Christ.	Years since.
710	4004	5752
1766	2948	4696
2366	2348	4096
2481	2233	3981
2718	1996	3744
2986	1728	3476
3143	1571	3319
3223	1491	3239
3530	1184	2932
3710	1004	2752
4126	588	2336
4176	538	2286
4198	516	2264
4391	323	2071
4710	4	1752
4714	0	1748

A.D.		
33	The Passion and Resurrection of Jesus Christ	1715
70	Jerusalem and the Temple destroyed by Titus	1678
100	St. John, the last of the Apostles, dies, Dec. 20.	1648
313	Christianity triumphs under Constantine	3435
476	Augustulus the last Roman Emperor deposed	1272
606	The wicked Phocas makes Pope Boniface Head of the Church	1142
608	Mabomet broaches his Imposture at Mecca	1140
872	Italy and Rome plundered by the Saracens	876
1012	Swain King of Denmark conquers England	736
1066	William Duke of Normandy conquers England	682
1110	Arts and Sciences taught in Cambridge	632
1119	The first War between the French and English	629
1300	The Mariners Compass invented	448
1330	The Canaries discovered by an English Ship	418
1380	Gunpowder and the Use of Guns first found out	368
1453	Constantinople taken from the Christians	297

A D.

W<sup>m</sup> 1748.

A.D.	Years since.	
1463	The Persians conquer'd by Tamerlane	285
1500	Rome plunder'd by the Duke of Bourbon	248
1517	Martin Luther first disputed against Popery	231
1536	England separated from the Church of Rome	212
1588	The Spanish Armada defeated by the English	160
1603	Q. Eliz. dies, March 24, and K. James I. began	145
1604	Died of the Plague in Lond. in 2 Years 68,596	144
1605	Günpowder Treason, Nov. 5.	143
1613	The New River Water brought to London	135
1618	The excellent Sir Walter Raleigh beheaded	130
1625	K. James I. died. K. Charles I. began, Mar. 27.	123
1625	35,417 Persons died of the Plague in London	123
1641	The cruel Irish Massacre began, October 23.	107
1643	Burleigh-house storm'd by Cromwel, July 24.	105
1649	K. Charles I. barbarously murdered, Jan. 30.	99
1660	King Charles II. restored, May 29.	88
1665	68,586 Persons died of the Plague in London	83
1666	London burnt, and a great Sea-Fight with the Dutch	82
1672	War declared against the Dutch, March 17.	76
1674	A great Snow for 11 Days together	74
1675	The Town of Northampton burnt, Sept. 3.	73
1680	A great and splendid Comet appeared.	68
1684	The great Frost that held 13 Weeks	64
1685	K. Cha. II. died, Feb. 6. and K. James II. began	63
1685	The Duke of Monmouth beheaded, July 15.	63
1688	Seven Bishops sent to the Tower, June 8.	60
1688	King James II. abdicated, December 12.	60
1689	K. William and Q. Mary crown'd, April 11.	59
1692	The French Fleet intirely defeated by the English	56
1698	Whitehall Palace intirely destroyed by Fire, except the Banqueting-House.	50
1702	K. William died, March 8, and Q. Ann began	46
1702	Q. Ann proclaimed War against France, May 4.	46
1703	A great and terrible Wind, Nov. 26, and 27.	45
1704	Gibraltar taken by the English	44
1707	England and Scotland united, May 1.	41
1709	Sacheverell preached his seditious Sermon Nov. 5.	39

Wing 1748.

A.D.

		Years since.
1710	Riots and great Disturbances in England.	38
1714	Q. Ann died, Aug. 1. and K. George I. began	34
1715	A famous Total Eclipse of the ☽ in England, April 22. in the Morning	33
1715	A Rebellion in Scotl. and Lancashire suppress'd	33
1716	A great Frost in the Beginning of this Year	32
1718	The Spanish Fleet destroy'd by Admiral Byng, near Syracuse, July 31.	30
1719	A surprizing Meteor seen, March 19, at 8 at Night	29
	Mr. Flamsteed, a celebrated Astronomer, died December 31.	29
1727	The incomparable Sir Isaac Newton died Mar. 20.	21
1727	K. George I. died, June 11, and K. George II. began	21
1734	The Prince and Princess of Orange married, March 14.	14
	The Battle of the Breeches in Italy, Sept. 4.	14
1736	The Prince and Princess of Wales married, Ap: 27	13
1739	Letters of Marque published in London against the Spaniards, July 16.	9
1739	Adm: Vernon-sails for the West-Indies, July 20.	9
1739	War declared by Great Britain against Spain, October 23.	9
1739	Porto-Bello taken and destroy'd by Admiral Vernon, Nov. 22.	9
1740	Fort Chagre taken and destroy'd, March 24.	8
1740	A very severe Frost from Dec. 25. to Feb. 27.	8
1742	A Comet appeared from Feb. 18. to Mar. 14.	6
1743	A Conjunction of ™ and ♁ Aug: 18th in A.	6
	A Splendid Comet appeared from December 25. to February 18. in V.	
1744	March 4 France declared War against England, and March 31. England declared War against France.	4
1745	Cape Breton taken from the French, June 16	3
1746	The Scotch Highland Rebels defeated by his Royal Highness the Duke of Cumberland, at Culloden, near Inverness, April 16.	2

J. An

Wing 1748.

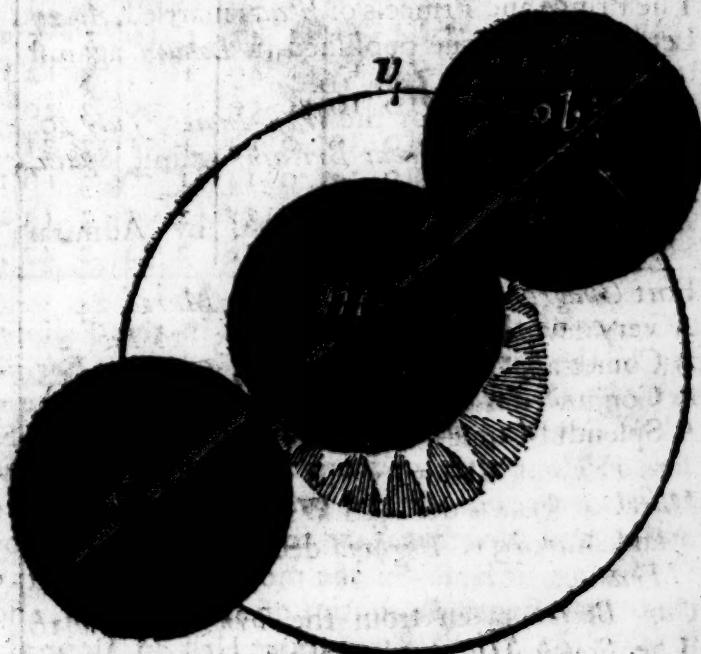
## II. An Account of the ECLIPSES, and some other Astronomical Appearances, in the Year 1748.

**T**WICE this Year, will the Sun's radiant Disk be in Part obscured by the Interposition of the Moon's dark Body; and twice also will the Moon be in Part deprived of her borrowed Light, by this Globe of Earth passing between the Sun and Her.

The first Eclipse, is of the Sun, on Tuesday the 19th Day of January, at 3 in the Morning.

The second, is an invisible Eclipse of the Moon, on Wednesday, the 3d Day of February, at Noon.

The third, is a great and visible Eclipse of the Sun, on Thursday the 14th Day of July (near Noon) according to the following Type and Calculations; and is the most eminent and remarkable Eclipse of that sort, that will be seen in England in this Age. Note, *b* is the Place of the Moon's Center at the beginning of the Eclipse, *m* at the Middle, and *e* at the End of the Eclipse; *v* is the Vertical Point.



The apparent Times at London of the principal appearances of this Solar Eclipse, are as follows:

Beginning, July the 14th Day, 2 Minutes past 9 in the Morning; Middle, 34 Minutes past 10; and the End at 11 Minutes past Noon; Digits Eclipsed 10. Duration 3 Hours 9 Minutes.

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The following Table shews the Times, Quantity, and Duration of this curious Annular Eclipse, at some other, the most eminent Cities and Towns in Europe.

© Eclipted, July 14 <sup>th</sup> before Noon.	Begin.			Middle	End	Durar.	Digits
	H.	M.	H.	M.	H.	M.	°
Lisbon	8	13	9	44	11	18	3 0 5 18
Madrid	8	49	10	22	11	57	3 8 6 13
Bourdeaux	9	2	10	40	0	17	3 15 8 21
Paris	9	18	10	52	0	31	3 13 9 25
Montpelier	9	25	11	3	0	43	3 18 7 45
Amsterdam	9	27	11	1	0	36	3 9 10 46
Turin	9	49	11	27	1	8	3 19 9 0
Genoa	9	52	11	32	1	10	3 18 8 36
Leipsick	10	10	11	48	1	23	3 13 11 0
Edinburgh	10	11	11	20	0	50	2 39 11 0
Copenhagen	10	11	11	43	1	16	3 5 11 12
Berlin	10	13	11	49	1	25	3 12 11 27
Rome	10	16	11	59	1	36	3 20 8 14
Naples	10	30	0	13	1	51	3 21 8 17
Vienna	10	34	0	14	1	50	3 16 10 25
Cracovia	10	54	0	32	2	5	3 11 angular.
Petersburgh	11	52	1	18	2	34	2 42 8 2

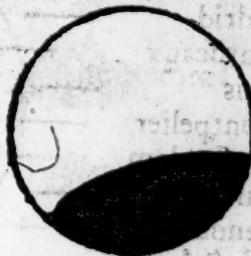
The Center of the Lunar Penumbra in this Eclipse, after hovering in the Air some little while, over the English Plantations in North America; it lands upon our Globe near to Quebec in Canada, where the Sun rises Centrally Eclipsed about half an Hour after 4; from thence it makes its way to the Atlantick Ocean, or the great Northern Seas; leaving Nova Scotia, and Newfoundland to the South, and about 10 in the Morning, it lands on the most Northern Parts of Scotland, and traversing the Counties of Strathnavern, and Cathness, it takes the British Seas, about Half an Hour after 10; and passing by the Southern Coasts of Normay, Denmark, and Sweden, it lands on the Northern Parts of Germany, and passing by Hamburg and Dantzick, about Half an Hour after 11, it proceeds directly for the City of Cracovia in Poland.

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Poland, where it arrives 32 Minutes past Noon, (making every where in its Passage a Central and Annular Eclipse,) from Cracow it takes a Progress towards the South East, over Part of Turkey, in Europe, and the Southern Borders of Persia, and quits the Earth's Disk, not far from the Coasts of Cromandel in the East Indies, leaving the Sun centrally Eclipseed, at the Time of his setting; having in about 3 Hours and a Quarter travelled above six thousand Miles.

The fourth and last Eclipse, this Year, is on Thursday the 28th Day of July, at Half an Hour after 11 at Night, when the Moon will appear as in the following Type.

	D.	H.	M.
Beginning July 28	10	16	
Middle	11	26	
End	12	36	
Duration	2	20	
Digits Eclipsed	5	22	



On Friday the 26th Day of February, at 25 Minutes after 6 in the Evening, the Moon makes a near appulse to a Star of the 3d Magnitude in  $\text{w} 26^{\circ} 20'$ , with  $2^{\circ} 2'$  North Latitude; the Latitude of the Moon at that Time is  $3^{\circ} 15'$  North, but as that is diminished by her Parallax, her visible Place will appear nearly the same with that of the Star.

Between the 3d and 4th Days of March, will be an exact Ecliptical Conjunction of Mars, and Venus, in  $\text{w} 27^{\circ} 20'$ , neither of the Stars having any visible Geocentric Latitude.

March the 4th, at 5 in the Morning, the Full Moon rises exactly in Conjunction with the Planet Jupiter.

The Moon Eclipses the seven Stars, on the 21st Day of March, at 6 at Night.

On the 26th Day of June, about a Quarter of an Hour before 9 at Night, the Moon makes a near approach to the Star Antares, or Cor M, in the Meridian.

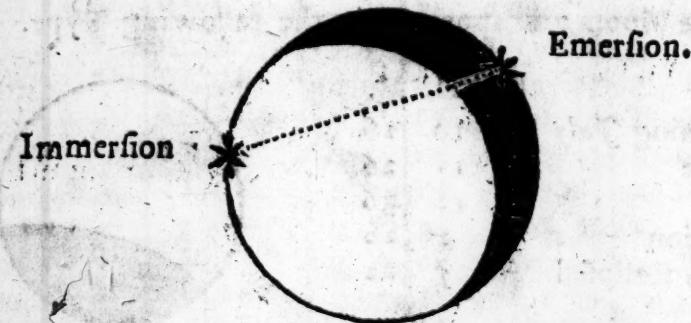
On the 9th Day of July, at Night, Jupiter is but one Minute distance from the Star d in  $\text{w} \delta$ .

On Friday, the 5th Day of August, at Half an Hour past 4 in the Morning, the Moon will Eclipse some of the highest of the seven Stars.

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Aug<sup>ust</sup> the 21<sup>st</sup> in the Morning, Mars and Mercury may be seen in Conjunction, near to that eminent fixt Star Cor Leonis. Mercury will be with the Star on the 24<sup>th</sup> Day, and Mars on the 28<sup>th</sup> Day.

On Wednesday, the 28<sup>th</sup> Day of September, in the Evening, the Moon eclipses the seven Stars, the Immersion of the brightest of the 7 \*'s will be 2 Minutes after 9 at Night, and its Emerision from behind the dark Part of the Moon's Disk, is at 52 Minutes after 9, as represented in the Type below.



The 21<sup>st</sup> Day of October, at Half an Hour after 2 in the Morning, Venus Eclipses,  $\beta$   $\eta$ , a Star of the 3d Magnitude in  $\eta$   $23^{\circ} 26'$ , with 41 Minutes North Latitude,

The Moon Eclipses the 7 \*'s on Wednesday, the 26<sup>th</sup> Day of October, at 30 Minutes after 6 in the Morning.

And again, on Monday, December the 19<sup>th</sup>, at half an Hour after 8 at Night.

### III. A Table of the Eclipses of Jupiter's first Satellite, for the Year 1748.

N.B. Those marked with a \* will be visible in England.

January.	Immersions.			Immersions.			Immersions.		
The Eclipses of Jupiters Satellites cannot be observ'd this Month, by reason of Jupiters Vicinity to the Sun.	February.			February.			March.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
4	10	59		20	9	19	5	13	10
6	5	28		22	3	47	7	7	39
7	23	57	23	22	17	9	2	8	
9	18	26	25	16	46	10	20	37	
11	12	56	27	11	15	12	15	6	
13	7	23	29	5	44	14	9	35	
15	1	52		March.			16	4	4
16	20	21	2	0	13	17	22	33	
18	14	50	3	28	41	19	17*	2	

Immer-

Wing 1748.

Immersions			Immersions.			Emersions.			Emersions.		
March.			May.			July			October.		
D.	H.	M.	D.	H.	M.	D.	H.	M.	D.	H.	M.
21	11	31	27	17	37	30	12*	56	4	0	58
23	6	0	29	12*	5	August.			5	19	27
25	0	29	31	6	33	1	7*	25	7	13	56
26	18	58	June.			3	1	54	9	8*	25
28	13	27	2	1	1	4	20	23	11	2	54
30	7	55	3	19	29	6	14*	52	12	21	23
April.			5	13*	57	8	9*	21	14	15	52
1	2	24	7	8	25	10	3	50	16	10*	21
2	20	53	9	2	53	11	22	19	18	4	50
4	15	22	10	21	21	13	16	48	19	23	19
6	9	50	12	15	49	15	11*	27	21	17	48
8	4	19	14	10	18	17	5	46	23	12	17
9	22	48	16	4	46	19	0	26	25	6*	46
11	17	17	17	23	14	20	18	45	27	1	14
13	11	46	19	17	42	22	13*	15	28	19	43
15	6	15	21	12*	10	24	7*	44	30	14	11
17	0	44	23	6	38	26	2	14	November.		
18	19	12	25	1	7	27	20	43	1	8*	40
20	13	41	26	19	36	29	15	13	3	3	8
22	3	10	28	14*	4	31	9*	42	4	21	37
24	2	38	30	8	33	September.			6	16	6
25	21	7	July.			2	4	11	8	10	34
27	15*	35	2	3	1	3	22	41	10	5*	3
29	10	4	3	2*	30	5	17	10	11	23	31
May.			5	15	58	7	11*	39	13	18	0
1	4	32	7	10*	27	9	6	9	15	12	28
2	23	0	9	4	54	11	0	38	17	6*	57
4	17	29	10	23	24	12	19	7	19	1	26
6	11	57	12	17	52	14	13.	37	20	19	54
8	6	25	14	12*	21	16	8*	6	22	14	23
10	0	54	16	9	49	18	2	36	24	8*	51
11	19	22	18	1	18	19	21	5	26	3	19
13	13*	51	19	19	46	21	15	34	27	21	47
15	8	19	21	14*	15	23	10*	3	29	16	15
17	2	47	23	8*	41	25	4	33	December.		
18	21	16	25	3	13	26	23	42	1	10	43
20	15*	44	26	21	42	28	17	31	3	5*	11
22	10	12	28	16*	10	30	12	0	4	23	39
24	4	41	29	8	04	October.			6	18	7
25	23	9	2			2	6*	29	8	12	35

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Emersions.	Emersions.	Emersions.	A T A B L E for converting Hours and Minutes of Time into Degrees and Minutes of the Equator. See my last Year's Alman- ack.
December.	December.	December,	
D. H. M.	D. H. M.	D. H. M.	
10 7*	3 19	3 23	26 5*15
12 1	31 20	21 51	27 23 43
13 19	59 22	15 19	29 18 11
15 14	27 24	10 47	31 12 39
17 8	55		

The Eclipses of the rest of U's Satellites visible under the Meridian of London or near it.

April.				July.				October.							
D.	H.	M.	Satell.	D.	H.	M.	Satell.	D.	H.	M.	Satell.				
18	15	11	2 I.	23	14	4	2 I.	16	10	17	3 E.				
27	15	36	4 I.	August.				23	10	40	3 I.				
May.				3	8	59	2 E.	31	5	58	2 E.				
4	13	46	3 E.	6	9	28	4 E.	November.							
11	14	12	3 I.	10	11	37	2 E.	7	8	33	2 E.				
14	14	49	4 E.	17	14	15	2 E.	21	6	12	3 E.				
20	14	49	2 I.	September.				21	6	42	3 I.				
June.				3	9	52	3 E.	December.							
9	11	41	3 E.	4	8	52	2 E.	2	5	35	2 E.				
14	11	49	2 I.	11	11	31	2 E.	18	6	18	4 I.				
16	13	38	3 E.	25	11	24	4 I.	Note, Under the Word <i>Satell.</i> the Number shews the <i>Satellite</i> Eclipsed, and the Letters I: or E. if an Immer- sion or Emission.							
21	14	24	2 I.	29	6	8	2 E.								
23	14	5	3 I.	October.											
July.				6	8	46	2 E.								
9	8	53	2 I.	9	6	5	3 E.								
16	11	28	2 I.	12	9	4	4 E.								
20	10	23	4 I.	16	6	37	3 I.								

U.S.E.

Observe the exact apparent Time of an Emerson or Immersion, of any of 24's Satellites; compare that Time with the calculated Time of the same Satellite in these Tables, the difference is the difference of Longitude requir'd from Lon-

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IV. A

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#### IV. A short Account concerning the computation of Time.

Towards the Close of the last Parliament, the regulation of some Errors, and Defects in the English Calendar was the Topick of Conversation; and has been the Occasion of further Enquiries, and Discourses, relating to that Subject: But that Parliament being near the End of its last Sessions, nothing was done therein by Authority.

Our computation of Time is certainly very defective, and our Calendar wants a review; all Lovers of Order and Uniformity amongst us would be glad to see such a Rectification established, as would tend to the Honour of this Nation, and to an Uniformity of Style, and Date with our Neighbours.

We know the Commencement of the Christian Era is four Years erroneous, but that is not what can be now amended, without running Things into the utmost Confusion. It is the regular Commencement of one (and no more than one) New-Years-Day in a Year, and the right timeing of the Fasts and Festivals of the Church that wants to be done.

We for our Parts have two New-Years-Days every Year, neither of which begins in Conformity with our Neighbours, nor indeed with the natural Beginning of the Year; but, neither can this last particular (I presume) be at present rectified, though the other may: *Julius Cæsar* rightly began the Year at the Time when the Sun began to return from the Southern Hemisphere. (The English by their Ecclesiastical Account intended it, when the Sun entered the Vernal Equinox,) but Time has so far removed the Head of the Year from its proper Beginning, that it cannot be now restored to its Place, but great Confusions and Inconveniences must ensue.

Our Catholick Neighbours, when they pretended to reform the Year, neglected that important Point; and we must (as Things are now circumstanced) be content to fix our Stations where they have done theirs, if we would have a Uniformity of Style and Date; guard against Confusion in Civil Accounts, and prevent Anachronisms in History; but we are not obliged to follow them in their own uncouth ways, tho' we do intend to join our Standard with theirs at last.

The great, and perhaps only View, that Pope *Gregory XIII.* and his Advisers had in correcting the Calendar, was to restore

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store the great Feast of *Easter* to the Place where the Council of *Nice* had fixed it, about the Year 325; which Piece of Service they might have done the Universal Church, without disturbing the Julian or Civil Year, then in Use throughout the Christian World; that being no way necessary in the Business of rightly timeing of *Easter*.

But however, if the Catholick Reformers, in order to compleat the Work they had begun, believed it necessary to alter the Form of the Year; what pity it is they did not look farther back than the Council of *Nice*, and fix the *Caput Anni*, and Festivals of the Church, conformable to the Celestial Motions, at the Time of our Blessed Saviour's Nativity, or Resurrection; their Protestant Neighbours would then, in all probability soon have followed them, because, by so doing, they would have pursued the Paths of Truth.

The Fathers of the Council of *Nice* were but indifferent Astronomers; and those of the Council of *Rome* not much better, if they had, they would have left the Year as they found it, rather than have made such a fumbling Correction of it as they have done. They might have fixed their *Easter* Rules without altering the Year, the Place of one having nothing to do with the Form of the other.

The alteration of the Year can only be done by Authority; and stating the Time of the Church Festivals is the Business of Divines; when one is commanded, and the other established, it then becomes the Work of a Mathematician to point out those Times before they come; and to that purpose it is necessary that the Celestial Motions be well understood.

The Protestant Princes in *Germany*, and the *North*, in the Year 1700, being willing to conform their Style and Dates to that of their Neighbours, took a much better Method to fix their Times than what the Catholicks had done before them: They justly rejecting all Cyclean Computation, introduced into their Calendar Astronomical Calculations, from *Keppler's Rudolphine Tables*; but it must be confessed those Calculations are attended with great Labour, and can only be performed by good Astronomers.

I have spent some Time in framing New Tables, in order to facilitate such Sort of Calculations: which Tables will find the Time of the Sun's entrance into any determined Point of the Ecliptick and the true Time of any Lunation required; they are easy to be understood, very ready

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ready in Practice, and exact in their Operations; room will not permit me to do more at present, than to insert a short View of my method in finding the Sun's entrance into Aries: Persons used to Astronomical Calculations, will from thence see, that it is a great Novelty, and vastly preferable to Kepler's, or any other way before made use of for that Purpose.

## P R E C E P T S.

1. Collect the M. Ingress for the Year and Month given, look for that Sum or the nearest less in the Column of Days, for the Day of the Mean Ingress required.

2. From the Sum, subtract the Day's Motion, the Hours, Minutes and Seconds agreeing to the remainder, is the Time of the Mean Ingress on that Day.

3. Take from this little Table the ☉'s true Anomaly for the Year given.

4. With which, take from Table III. the difference in Time between the Mean and True Ingress, which difference apply according to its Title to the Time of the Mean Ingress, and you will have the Time of the Ingress required.

## E X A M P L E.

For the ☉ entrance into Aries, A.D. 1748.

Mean Ingress		March.	D. H. M.	Years	compleat	
Month.	Day.				B.	Years
1748. Mean Ingress	9 39 16				1 11 29 59	
Month. March	1 50 49				2 11 29 58	
Diffex.	Sum. 11 30 5		10 16 4		3 11 29 57	
10 Days	10 50 31	Sub.	1 22 28		4 11 29 56	
Rem.	39 34		True Ingress.		5 11 29 55	
16 Hours	39 25		8 17 36		6 11 29 54	
4 Min.	0 9		Equal Time.			

Anno Dom.	☉'s True Anom.
1700	8 22 16
1740	8 21 35
1741	8 21 34
1742	8 21 33
1743	8 21 32
1744	8 21 30
1745	8 21 29
1746	8 21 28
1747	8 21 27
1748	8 21 26
1749	8 21 25
1750	8 21 24
Years	compleat
B. 1	11 29 59
2	11 29 58
3	11 29 57
4	11 29 56
B. 5	11 29 55
6	11 29 54

Note. When the Sun's Ingress into any other Point but the Beginning of ☌ is required, the 3d Precept above will want a little Explanation; an Artist will know how to supply that, and for others they must wait another Opportunity.

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H. TABLE. Of the Sun's Mean Ingrefs.

Anno Dom.	M. Ingress			M. Ingress			H.			°			"			"			"			
	o	'	"	o	'	"	o	'	"	o	'	"	o	'	"	o	'	"	o	'	"	
1700	10	0	56	1	0	59	8	1	0	2	28	31	1	16	23							
1740	9	42	52	2	1	58	17	2	0	4	56	32	1	18	51							
1741	8	58	4	3	2	57	25	3	0	7	24	33	1	21	19							
1742	9	12	24	4	3	56	33	4	0	9	51	34	1	23	47							
1743	9	26	44	5	4	53	42	5	0	12	19	35	1	26	15							
1744	9	41	4	6	9	54	50	6	0	14	47	36	1	28	43							
1745	8	56	16	7	6	53	58	7	0	17	15	37	1	31	11							
1746	9	10	36	8	7	53	7	8	0	19	43	38	1	33	39							
1747	9	24	56	9	8	52	15	9	0	22	11	39	1	36	6							
1748	9	39	16	10	9	51	23	10	0	24	38	40	1	38	44							
1749	8	54	28	11	10	50	31	11	0	27	6	41	1	41	2							
1750	9	8	41	12	11	49	40	12	0	29	34	42	1	43	30							
Mon	M. Ingress			13	12	48	48	13	0	32	24	3	1	45	58							
Jan	0	0	0	14	13	47	57	14	0	34	30	44	1	48	25							
Feb.	29	26	42	15	14	47	55	15	0	36	58	49	1	50	53							
Mar.	1	50	49	16	15	46	13	16	0	39	25	46	1	53	21							
April	1	17	30	17	16	45	22	17	0	41	53	47	1	55	49							
May	1	43	20	18	17	44	30	18	0	44	21	48	1	58	17							
June	1	10	2	19	18	43	38	19	0	46	49	49	2	0	44							
July	1	35	52	20	19	42	47	20	0	49	17	50	2	3	12							
Aug.	1	2	35	21	20	41	55	21	0	51	45	51	2	5	40							
Sept.	0	29	16	22	21	41	3	22	0	54	13	52	2	8	8							
Oct.	0	55	6	23	22	40	12	23	0	56	40	53	2	10	36							
Nov.	0	21	48	24	23	39	20	24	0	59	8	54	2	13	3							
Dec.	0	47	38	25	24	38	28	25	1	1	36	55	2	15	31							
Years	compleat.			26	25	37	37	26	1	4	4	56	2	17	59							
B. 1	29	15	12	27	26	36	45	27	1	6	32	57	2	20	27							
2	29	29	32	28	27	35	53	28	1	9	0	58	2	22	55							
3	29	43	52	29	28	35	2	29	1	11	27	59	2	25	23							
4	29	58	12	30	29	34	10	30	1	13	55	60	2	27	51							
B. 5	29	13	24	31	30	33	18	31	1	16	23	61	2	30	19							
6	29	27	44																			

In Leap Year, after February, Number the Day 1 less than that found from the collected Sum of the Mean Ingrefs.

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III. TABLE. The difference in Time between the mean and true Ingress of the Sun, into any Sign, Degree, or Minute of the Zodiac.

Degrees	Sun's True Anomaly.						Time Add.				
	o Sign. d. h. m	i Sign. d. h. m	2 Signs d. h. m	3 Signs d. h. m	4 Signs d. h. m	5 Signs d. h. m	o	23	15	30	
0° 0' 0"	00 23 47	1 17 3	1 23 4	1 16 31	0 23 15	30					
1° 0' 5"	0 30	1 17 26	1 23 4	1 16 60	0 22 32	29					
2° 1' 40"	1 12	1 17 49	1 23 2	1 15 39	0 21 49	28					
3° 2' 30"	1 1 54	1 18 11	1 23 0	1 15 12	0 21 6	27					
4° 3' 20"	1 2 35	1 18 32	1 22 56	1 14 45	0 20 22	26					
5° 4' 9"	1 3 16	1 18 53	1 22 51	1 14 17	0 19 38	25					
6° 4' 59"	1 3 57	1 19 13	1 22 46	1 13 48	0 18 54	24					
7° 5' 48"	1 4 37	1 19 32	1 22 40	1 13 18	0 18 9	23					
8° 6' 37"	1 5 16	1 19 51	1 22 33	1 12 48	0 17 24	22					
9° 7' 26"	1 5 55	1 20 9	1 22 25	1 12 18	0 16 39	21					
10° 8' 15"	1 6 32	1 20 26	1 22 16	1 11 46	0 15 53	20					
11° 9' 4"	1 7 10	1 20 42	1 22 7	1 11 14	0 15 7	19					
12° 9' 53"	1 7 47	1 20 57	1 21 57	1 10 41	0 14 20	18					
13° 10' 42"	1 8 23	1 21 11	1 21 45	1 10 8	0 13 34	17					
14° 11' 31"	1 9 0	1 21 25	1 21 33	1 9 34	0 12 48	16					
15° 12' 19"	1 9 35	1 21 38	1 21 19	1 8 59	0 12 1	15					
16° 13' 7"	1 10 10	1 21 50	1 21 6	1 8 23	0 11 14	14					
17° 13' 55"	1 10 43	1 22 1	1 20 53	1 7 48	0 10 27	13					
18° 14' 43"	1 11 17	1 22 11	1 20 36	1 7 12	0 9 39	12					
19° 15' 30"	1 11 49	1 22 20	1 20 20	1 6 35	0 8 52	11					
20° 16' 17"	1 12 21	1 22 28	1 20 3	1 5 59	0 8 4	10					
21° 17' 4"	1 12 52	1 22 36	1 19 45	1 5 200	7 16	9					
22° 17' 50"	1 13 22	1 22 43	1 19 27	1 4 41	0 6 28	8					
23° 18' 35"	1 13 52	1 22 49	1 19 11	1 4 20	5 40	7					
24° 19' 21"	1 14 21	1 22 53	1 18 48	1 3 23	0 4 51	6					
25° 20' 2"	1 14 50	1 22 57	1 18 26	1 2 43	0 4 3	5					
26° 20' 51"	1 15 22	1 23 0	1 18 4	1 2 20	3 14	4					
27° 21' 35"	1 15 45	1 23 3	1 17 43	1 2 1	2 21	3					
28° 22' 20"	1 16 11	1 23 4	1 17 20	1 0 39	0 1 3	2					
29° 23' 31"	1 16 37	1 23 5	1 16 56	0 23 58	0 0 49	1					
30° 23' 47"	1 17 3	1 23 4	1 16 31	0 23 150	0 0 0	0					
	11 Signs	10 Signs	9 Signs	8 Signs	7 Signs	6 Signs					
	Sun's True Anomaly.						Time Sub.				

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## V. Of the four Quarters of the Year, and the Planets influence therein.

THE Spring Quarter begins, the 9th Day of March, at 36 Minutes after 5 in the Morning.—The Troubles of Europe are not yet at an End, new Matters are still a brooding. The ♂ h ♂ from M and ♀ will have strange Effects in some Countries in Europe, and other Parts of the World also, we say that Work is best that is soonest done, yet its certain that Deliberation and Advice makes every Undertaking the more secure.

The Summer Quarter begins, the 10th Day of June, at 25 Minutes after 4 in the Morning.—The Moon is departing from the ♂ of h, and applying to the ☽ of ♀. A soward seditious sort of People are still Active, but Experience lets them know there is no resisting the Decrees of Heaven, if they smart for their Follies, they must thank themselves.

If perjur'd Villains, Plotters of our Times,  
Still act those horrid and infernal Crimes,  
Disturb just Heaven, Magistrates provoke,  
Till Justice overtakes them with a Rope,  
'Tis very just that such flagitious Men  
Should be took off, never to Plot again.

The Harvest Quarter begins September the 11th, 37 Minutes past 5 in the Evening.—Here is a crowd of Planets in the West, no fewer than 6 out of 7. There will be strange Contentions, Quarrels, and underhand Dealings in some Places under the Sign  $\text{Virgo}$ . Some fear of a sickly Season.

The Winter Quarter begins on the 10th Day of December, 20 Minutes after 9 in the Morning,—Saturn and Venus are in the Angle of Honour, and the ☽ and ☽ in the East. The Scene of Things seems changed, and sundry Happinesses begin to salute the World. The Passions of Men begin to abate. Many Addresses are made to the Monarch of Great-Britain, Peace and good Order seems to attend his Motions.

F I N I S.